



HERBRAND

Van-Chrome

TOOLS OF EXTRA QUALITY

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CATALOG
No. 50-M

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$$\begin{array}{r} 8 \overline{) 40} \\ 64 \end{array} \frac{5}{8}$$

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$$2 \frac{20}{32} \quad 2 \frac{10}{16} \quad 2 \frac{5}{8} \quad 1 \frac{2}{9} \quad 1 \frac{4}{9}$$

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CATALOG No. 50-M

THE HERBRAND CORPORATION
MAIN OFFICE AND FACTORIES · FREMONT, OHIO

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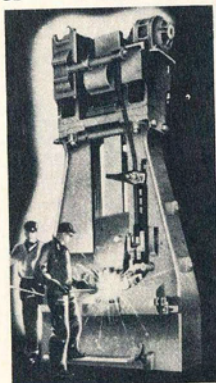
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Adjustable Wrenches
 Carbon Steel Open End Wrenches, All Types
 Pipe Wrenches
 Special Drop Forgings

The Evolution of a "Van-Chrome" Drop Forged Wrench



Typical drop hammer used for forging Herbrand Tools.

Bar of round steel as it goes under a hammer to be forged into tools.



Steel bar after first forging operation—flattened or rolled out.



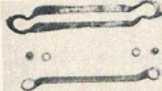
A pair of mated forging dies from which Herbrand Tools are made.



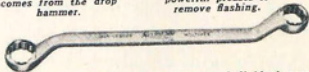
Rough wrench forging as it comes from the drop hammer.



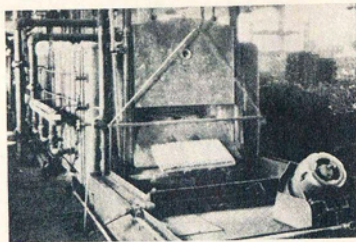
Trimming die used in powerful presses to remove flashing.



Rough wrench forging, flashing removed by trimming press.

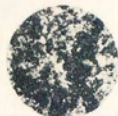
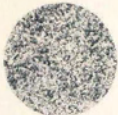


Finished wrench after more than twenty individual precise operations. The major operations include forging, normalizing, trimming, coin, broach openings, chamfer, sand blast, heat treat, straighten, grind, oil polish, triple nickel plate and buff.



One of a battery of special furnaces in which Herbrand Tools are heat treated to bring their physical properties to the highest attainable point. Tools are hardened under forced oil agitation and the furnaces are scientifically controlled by accurate electrical instruments.

Photomicrographs showing metal structures after proper and improper heat treatment. Note the condensed grain structure at the top which illustrates uniform toughness achieved by Herbrand's scientific drop forging and heat treating process. The illustration at the bottom shows the result of improper treatment.

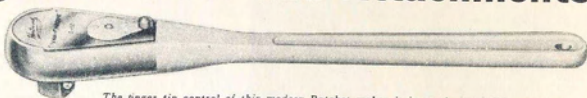


Herbrand Tools are extra powered by individual forging from precision dies under the powerful blows of drop hammers. The select bars of steel from which they are forged are heated to exact temperatures, placed in the hammers where they are skillfully manipulated while being formed between mated dies. This process refines the grain of the steel, toughens and condenses the metal so that when scientifically heat treated, Herbrand Tools have that unyielding strength and unbreakable quality for which they are noted.

From the bar of raw steel to the finished tool requires numerous precise operations. Only strict observance of Herbrand Standards each step of the way provides that interior soundness and surface excellence which produces the properties and ultimate performance demanded.

All Herbrand tools are carefully hand ground and machined to precision standards for accurate opening sizes and to insure perfect fit on the work for which they are designed. The extreme care used in processing is definite insurance against flaws and failures in service. Rigid inspection and testing during the many stages of manufacture definitely guarantees the unrivaled Herbrand quality.

Hot Forged Sockets and Attachments



The finger tip control of this modern Ratchet makes it instantly reversible to operate on the 28th of a turn in either direction with no lost motion. Absolutely trouble-proof, quick-acting and designed with trim, slender lines to operate freely in close, cramped quarters.

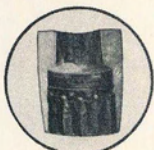
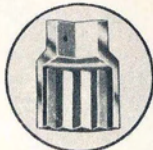
Compare the New Herbrand *Hot Forged* Sockets with the ordinary cold broached type and immediately you will see the smooth, clean cut, thin, accurate side walls and points which are free from chatter marks, tears and chips. They are lighter in weight, structurally better and have unbreakable strength.

Herbrand's *Hot Forging* eliminates all unnecessary bulk, and the extra thin, straight side walls banish clearance problems. The drive ends are machined down to a narrow offset shoulder which further reduces weight, bulk and clumsiness. The height of each socket is graduated to a definite engineering formula to balance with the size of the openings. They are heavily knurled for a non-slip grip and equipped with positive lock-on.

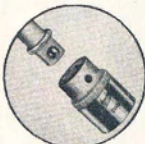
All "Van-Chrome" Sockets and Attachments are attractively finished in triple nickel with contrasting silvery satin heads and mirror polished walls.

Herbrand Makes Only One Grade of Socket Wrenches

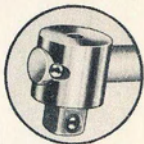
Only the best grade of Sockets and Handles give complete satisfaction. Herbrand does not mislead or confuse the trade by offering different or inferior grades. The trade name Herbrand "Van-Chrome" stands for Socket Wrench perfection.



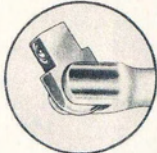
Actual photographic comparison—Hot Forged with cold broached socket.



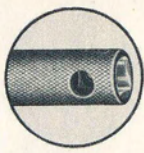
The lock-on feature—distinctive with Herbrand—holds sockets firmly—releases readily without the aid of a special tool.



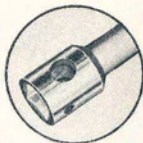
Note recess for stop ball in this Sliding T—head slides flush to ends—friction ball holds firmly in any position.



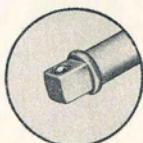
The drive tips of the Flex Handles stay firm at any desired angle.



Flex Handles can also be used as extensions or as T and L wrenches.



The forged heads of Extensions are cross drilled to make T or L wrenches—also have retaining holes for positive locking on other units.



The drive end of Extensions—forged to a perfect fit to readily engage sockets or other handles—offset shoulder for positive socket stop—equipped with lock-on spring plunger.



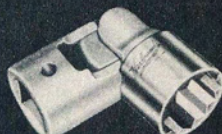
J-112 To J-124



J-212 To J-216



J-312 To J-324



J-39



J-39



J-414 To J-424

Junior Series "Van-Chrome" Sockets

Extra Thin Straight Walls
3/8" Square Drive

Hot Forged from Chrome Molybdenum Steel

Small—Slender—Straight—Thinwalled—yet mighty in power of performance, because extra strength is *Hot Forged* into them. Advanced features of design provide unequalled advantages of maximum speed and utility and get into tight places where others fail. Heat treated, knurled and equipped with positive lock-on feature. The top of each socket is chamfered to readily engage the handle units. Triple satin nickel with mirror polished side walls.

12-Point Sockets

Number	Opening	Height	Wt. Per Doz. Lbs. Ozs.	List Price Each
J-112	3/8	1 5/16	9	\$.50
J-114	7/16	1 5/16	12	.50
J-116	1/2	1 5/16	12	.50
J-118	5/8	1 5/16	12	.50
J-120	3/4	1 5/16	15	.59
J-122	1 1/8	1 5/16	15	.60
J-124	1 1/4	1 5/16	2	.60

8-Point Sockets

J-212	3/8	3 1/2	12	\$.50
J-214	7/16	3 1/2	15	.50
J-216	1/2	3 1/2	2	.50

Flexible 12-Point Sockets

12-point sockets and universal joints combined. Turn in a short radius and swing over to 90° angle. Short coupled.

J-312	3/8	1 3/4	1	5	\$2.40
J-314	7/16	1 3/4	1	5	2.40
J-316	1/2	1 3/4	1	8	2.40
J-318	5/8	1 3/4	1	8	2.40
J-320	3/4	1 3/4	1	8	2.40
J-322	1 1/8	1 3/4	1	11	2.40
J-324	1 1/4	2	1	11	2.40

Extra Deep 12-Point Sockets

For easy work on running boards, body and fender bolts.

J-414	7/16	2	1	8	\$.80
J-416	1/2	2	1	8	.80
*J-418	5/8	2	1	8	.85
J-420	3/4	2	1	8	.85
†J-422	1 1/8	2	1	8	.95
J-424	1 1/4	2	1	8	1.00

*Fits A.C. 10 M.M. Plugs †Fits Champion 10 M.M. Plugs

Extra Deep 8-Point Socket

Especially handy for Chevrolet running board work.

J-514	1/2	2	1	8	\$.80
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Special 6-Point Pan Socket

J-616	1/2	3 1/2	1	2	\$.50
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Screw Driver Socket

A new time-saver that reaches into tight places. Efficient for body, top, floor board, and pan work. Has 5/16" bit.

J-37	3 1/2	1	8	\$.75
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Drag Link Socket

For steering gear work, shock absorbers, etc. 1 1/8" bit.

J-39	1 1/8	12	\$.75
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Flexible Screw Driver

Special for Chevrolet oil pan. See page 157 for illustration.

J-41	2	1	8	\$1.55
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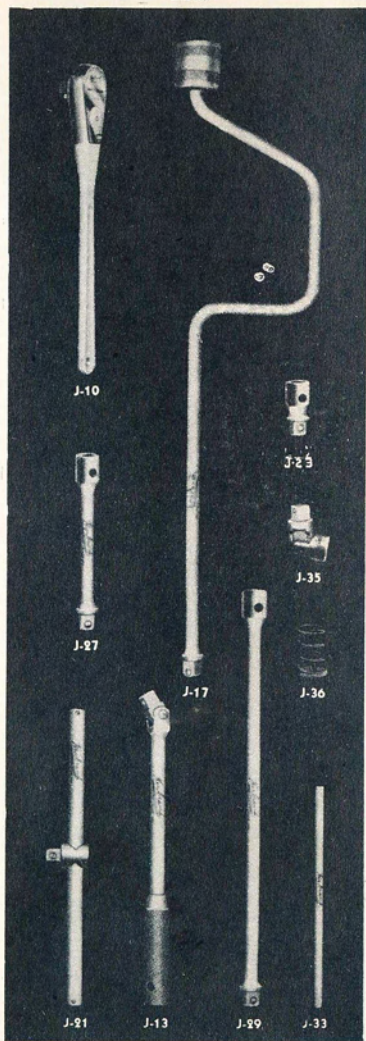
Junior Series Handles and Attachments

Extra Strong and Rigid $\frac{3}{8}$ " Square Drive

Drop Forged from Chrome Molybdenum Steel

"Van-Chrome" Handles are correctly designed and proportioned to deliver the utmost speed and ease of handling. All unnecessary weight and clumsiness are eliminated. Comfortable grips contribute to their efficiency and careful heat treatment imparts extra strength and rigidity. Finished in triple satin nickel with polished ends and faces. Equipped with friction balls to firmly engage the sockets and eliminate the danger of having them drop off in tight places. The comprehensive selection meets every known need. All "Van-Chrome" Handles are fully guaranteed.

No.	Description	List Each
J-10	JUNIOR REVERSIBLE RATCHET OF EXCLUSIVE HERBRAND DESIGN. Positive thumb control instantly reversible to operate the 20th of a turn either right or left. No delicate or complicated parts to cause grief; designed to operate in close, cramped quarters. Solid drop forged handle. Amazingly strong. Length $6\frac{5}{8}$ ". Weight 8 ozs.	\$4.25
J-13	FLEXIBLE OFFSET HANDLE. A flex handle, a swivel handle, an offset handle, a T handle and a nut spinner all in one. Perfectly balanced with a compact swivel joint on a comfortable grip, knurled handle. A friction ball holds the drive tip firmly at any angle. The handle is cross drilled to insert a T bar when needed and is featured with a square drive hole in the end for use with other attachments. Length $8\frac{5}{8}$ ". Weight $7\frac{1}{2}$ ozs.	2.60
J-17	SPEEDER HANDLE. Forged solid. Light and slim, designed for extra speed and more clearance. Has a special knurled revolving handle for perfect grip. Length 17". Weight 1 lb. 1 oz.	1.85
J-21	SLIDING T HANDLE. The forged head slides flush to the ends making an offset wrench. A friction ball holds the head firmly at any point on the bar. Length 8". Weight 4 ozs.	1.35
	EXTENSIONS. Forged solid and cross drilled for use with T Bar J-33. The drive end is forged with an offset shoulder which acts as a positive stop. Equipped with lock-on feature.	
J-23	EXTENSION, $1\frac{1}{2}$" long. Weight 1 oz. ....	.60
J-27	EXTENSION, 5" long. Weight 3 ozs. ....	.85
J-29	EXTENSION, 11" long. Weight 6 ozs.	1.15
J-33	T HANDLE BAR. Used to form a T with all Herbrand Handles which are cross drilled for this purpose. Length $6\frac{1}{2}$ ". Weight 1 oz. ....	.25
J-35	UNIVERSAL JOINT, improved, short coupled, positive locking, facilitates adjustments in inaccessible places. Reaches where other universals fail. Weight 2 ozs.	2.20
J-36	SPRING STABILIZER, slides over universal joint and flexible 12-point sockets for conversion into a flexible knuckle. ....	.15

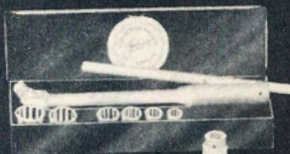


Junior Series "Van-Chrome" Socket Sets

$\frac{3}{8}$ " Square Drive

Hot Forged from Chrome Molybdenum Steel

Complete Sets of Quality Sockets and Handles may be inexpensively built to suit individual needs.



JUNIOR SERIES FLEX SET No. JA-60 $\frac{1}{2}$

Junior Flex Set No. JA-60 $\frac{1}{2}$

Popular with mechanics, electricians and car owners.

Contents, total of 9 pieces:—7 "Van-Chrome" 12-point Sockets Nos. J-112, J-114, J-116, J-118, J-120, J-122, J-124, providing a range of opening sizes from $\frac{7}{8}$ " to $\frac{1}{2}$ " inclusive. Junior Flexible Handle J-13. T Handle Bar J-33.

SET No. JA-60, in fibre box. Weight 1 lb.

LIST PRICE, complete.....\$6.55

SET No. JA-60 $\frac{1}{2}$, in metal box. Weight 2 lbs.

LIST PRICE, complete.....7.25

Junior Socket Set No. JA-61 $\frac{1}{2}$

A well balanced assortment of Junior $\frac{3}{8}$ " drive Sockets and Handles which cover a wide range of service in automotive, electrical, aviation and refrigeration work.

Contents, total of 17 pieces:—7 "Van-Chrome" 12-point Sockets Nos. J-112, J-114, J-116, J-118, J-120, J-122, J-124, with opening sizes from $\frac{3}{4}$ " to $\frac{1}{2}$ " inclusive. 8-point Sockets Nos. J-212, J-214, J-216 with openings of $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ". Junior Reversible Ratchet J-10. 17" Speeder No. J-17. Universal Joint J-35. Sliding T Handle J-21. Extensions: J-23, 1 $\frac{1}{2}$ " long; J-27, 5" long and J-29, 11" long.

SET No. JA-61, in fibre box. Weight 3 lbs. 4 ozs.

LIST PRICE, complete.....\$17.45

SET No. JA-61 $\frac{1}{2}$, in metal box. Weight 5 lbs. 13 ozs.

LIST PRICE, complete.....18.45

Junior Socket Set No. JA-62 $\frac{1}{2}$

A comprehensive assortment of Junior $\frac{3}{8}$ " drive Sockets, Handles and Attachments. Its broad range of service covers the wide variety of small nuts daily encountered on motors, airplanes, refrigerators, radios, electrical devices and automobiles.

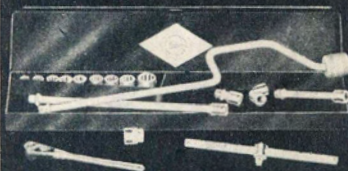
Contents, total of 31 pieces:—7 12-point Sockets, Nos. J-112, J-114, J-116, J-118, J-120, J-122 and J-124, with openings from $\frac{3}{4}$ " to $\frac{1}{2}$ ". 8-point Sockets J-212, J-214 and J-216 with openings of $\frac{3}{8}$ ", $\frac{7}{16}$ " and $\frac{1}{2}$ ". Flexible Sockets J-316, J-318 and J-320. 6 Extra Deep Sockets J-414 to J-424 inclusive providing openings from $\frac{7}{16}$ " to $\frac{1}{2}$ ". Reversible Ratchet J-10. Flex Handle J-13. Speed Handle J-17. Sliding T J-21. 1 $\frac{1}{2}$ " Extension J-23. 5" Extension J-27. 11" Extension J-29. T Handle Bar J-33. Universal Joint J-35. Spring Stabilizer J-36. Screw Driver J-37. Drag Link J-39. These tools are described on pages 8 and 9.

SET No. JA-62, in fibre box. Weight 6 lbs.

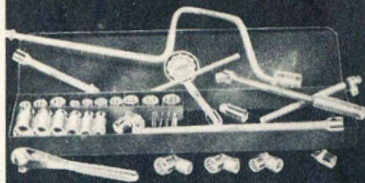
LIST PRICE, complete.....\$34.40

SET No. JA-62 $\frac{1}{2}$, in metal box. Weight 8 lbs.

LIST PRICE, complete.....35.60



JUNIOR SERIES SOCKET SET No. JA-61 $\frac{1}{2}$



JUNIOR SERIES SOCKET SET No. JA-62 $\frac{1}{2}$

Standard Series "Van-Chrome" Sockets

Extra Thin Straight Walls

1/2" Square Drive

Hot Forged from Chrome Molybdenum Steel

All excess weight and clumsiness have been eliminated. Every Socket is individually *Hot Forged* which insures precision, accuracy, greater strength, durability, and compactness adapting them to faster performance. The height of each socket is graduated to a definite engineering formula to balance with the opening size and they are knurled for a non-slip grip. Equipped with lock-on feature which firmly locks the sockets to the handles but releases easily. Extra powered by scientific heat treatment and finished in triple satin nickel with polished walls.

12-Point Sockets

Number	Opening	Height	Weight Per Doz. Lbs. Ozs.	List Price Each
S-112	3/8	1 1/16	12	\$.60
S-114	7/16	1 1/8	12	.60
S-116	1/2	1 3/8	15	.60
§S-117	1 1/8	1 3/8	1 2	.75
S-118	9/16	1 3/8	1 2	.75
†S-118V	9/16	1 3/8	1 2	.85
S-119	1 3/8	1 3/8	1 2	.75
S-120	5/8	1 5/8	1 2	.80
††S-121	2 1/8	1 5/8	1 5	.80
††S-122	1 1/16	1 5/8	1 8	.80
*S-123	2 3/8	1 5/8	1 5	.85
†S-124	3/4	1 5/8	1 14	.85
S-125	2 3/8	1 5/8	1 14	.85
S-126	1 1/2	1 5/8	2	.85
S-128	7/8	1 5/8	2 4	1.00
¶S-129	2 3/8	1 5/8	2 6	1.00
S-130	1 5/8	1 5/8	2 12	1.00
S-131	3 1/8	1 5/8	3	1.00
S-132	1	1 5/8	3 3	1.15
S-134	1 1/8	1 5/8	3 3	1.25
S-136	1 3/8	1 5/8	4 8	1.35
S-140	1 1/4	1 5/8	5 4	1.50

§S-117 Special 6-point Chevrolet Connecting Rod Socket.

†S-118V Special for Ford Connecting Rod Nuts including V8-85.

††S-121 For Ford A and B Connecting Rod Bearing Cap Nuts and V8-60 Main Bearings.

††S-122 For Chevrolet Center and Rear Main Bearing Cap Screws and Ford V8-85 Head Bolts.

*S-123 6-point for Chevrolet Front Main Bearing Screws, 1933-34.

†S-124 Fits Rear Main Bearing Nuts on all Fords including V8-85.

¶S-129 Shackle Bolt Socket for Plymouth, Chrysler, Dodge and De Soto.

Flexible 12-Point Sockets

Universal joints and 12-point Sockets combined for turning nuts from any angle. Very compact, close coupled. Real time-savers in close quarters.

S-316	1/2	2 3/8	2 13	\$2.45
S-318	9/16	2 3/8	2 13	2.45
S-320	5/8	2 3/8	2 13	2.45
S-322	1 1/8	2 3/8	3	2.45
S-324	3/4	2 3/8	3	2.45

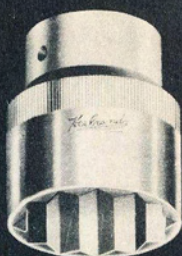
6-Point Sockets

S-616	1/2	\$.60
S-618	9/16	.75
S-620	5/8	.80
S-622	1 1/8	.80
S-624	3/4	.85

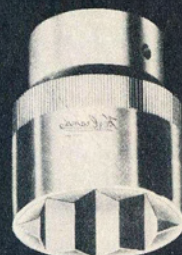
8-Point Sockets

S-212	3/8	\$.60
S-214	1/2	.60
S-216	5/8	.75
S-218	3/4	.75
S-220	7/8	.80
S-224	1	.80
S-228	1 1/8	.95

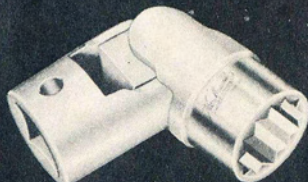
Refer to page 20 for Extra Deep Standard Sockets



S-112 To S-140



S-212 To S-228



S-316 To S-324

Standard Series Handles and Attachments

Extra Strong and Rigid
 $\frac{1}{2}$ " Square Drive

Drop Forged from Chrome Molybdenum Steel

These versatile Herbrand Socket Handles and Attachments are better designed to make any combinations desired. The comprehensive selection meets every known need. "Van-Chrome" Handles are lighter in weight than the ordinary types, increase efficiency and eliminate bulk and clumsiness. They get into those tough spots and are easier to handle. One-piece forging, select Chrome steel and scientific heat treatment impart rigidity and power.

No.	Description	List Each
S-10	IMPROVED STANDARD REVERSIBLE RATCHET OF EXCLUSIVE HERBRAND DESIGN. Instantly reversible with thumb control to operate on the 28th of a turn either right or left without lost motion. Absolutely trouble proof and designed with narrow, slender lines to function rapidly and freely in close, cramped working quarters where other ratchets can't go. The handle is a solid drop forging from Chrome Vanadium Steel. Length 9 $\frac{1}{8}$ ". Wt. 1 lb.	\$ 5.25
S-13	FLEXIBLE OFFSET HANDLE. End of handle is drilled to insert T bar S-33 and has a square drive hole to engage other attachments. A friction ball holds the compact swivel joint firmly at any angle. Length 12". Weight 1 lb. 3 ozs.	3.15
S-15	LONG FLEXIBLE OFFSET HANDLE. A flex handle, a swivel handle, a handle, an offset wrench and a nut spinner—all in one. A friction ball holds the drive tip firmly at any angle. The large knurled handle is forged with a $\frac{1}{2}$ " square drive opening for connection with other units and is also drilled for insertion of T bar. 18" long. Weight 1 lb. 9 ozs.	3.70
S-21	SLIDING T HANDLE. The forged head slides flush to either end and is firmly held at any point on the bar by a friction ball. Length 11". Wt. 15 ozs.	1.70
S-22	EXTRA LONG SLIDING T HANDLE. An extra long reach with tremendous pulling power. Makes work easy in awkward and difficult locations. The solid drop forged head slides flush to either end, or remains firmly at any position on the bar. Length 16". Weight 1 lb. 6 ozs.	2.05
S-33	T HANDLE BAR. Used to form T Handle with all Herbrand attachments which are cross drilled for this service. 11" long. Weight 5 ozs.	.30
S-35	UNIVERSAL JOINT. Extremely compact. New design. Short coupled. Breaks over to a full 90° angle for positive locking. Reaches into tight places where other universals fail. Weight 4 ozs.	2.30
S-36	SPRING STABILIZER. Slides over universal joint for conversion into a flexible knuckle.	.20
S-37	DRAG LINK SOCKET, $\frac{3}{4}$ " Blade	1.00
S-39	DRAG LINK SOCKET, 1" Blade	1.00
S-41	SCREW DRIVER SOCKET. For use with ratchet, speeder or any other $\frac{1}{2}$ " unit. 3 $\frac{1}{2}$ " long.	.80

Socket Adaptors

A-390	$\frac{3}{8}$ " male, $\frac{1}{2}$ " female	\$.90
A-391	$\frac{1}{2}$ " male, $\frac{3}{8}$ " female	.90
A-392	$\frac{1}{2}$ " male, $\frac{3}{8}$ " female	.90
A-393	$\frac{1}{2}$ " male, $\frac{3}{8}$ " female	1.25
A-394	$\frac{3}{4}$ " male, $\frac{1}{2}$ " female	1.25
A-395	$\frac{3}{4}$ " male, $\frac{3}{8}$ " female	1.35

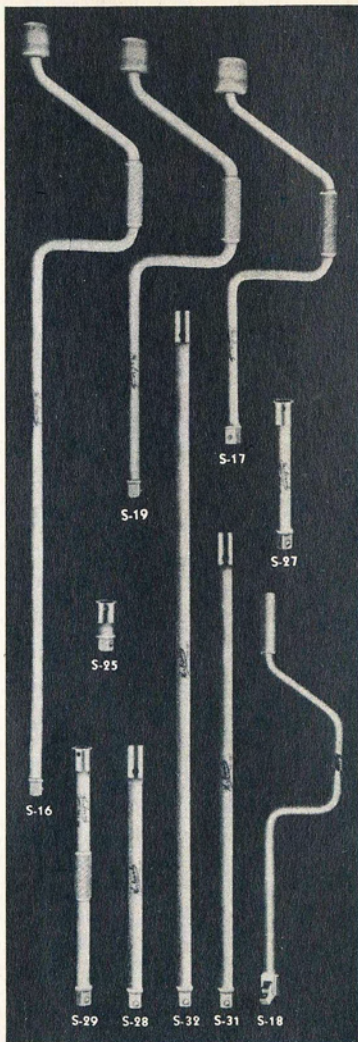
Standard Series Handles and Attachments

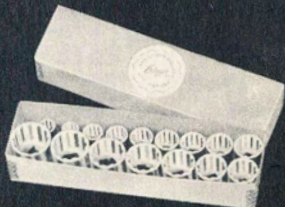
Extra Strong and Rigid 1/2" Square Drive

Drop Forged from Chrome Molybdenum Steel

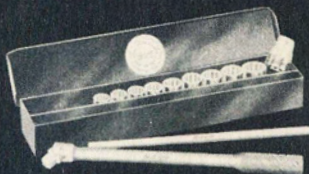
All "Van-Chrome" Handles and Attachments are equipped with Herbrand's well-known and distinctive lock-on feature. This is your assurance that the sockets "stay put"—no chance of them dropping off to cause grief and loss of time. The forged offset shoulder on the connection ends is a positive socket stop and provides automatic engagement of the locking ball. Finished in lustrous triple satin nickel, the ends and faces are polished brightly. This finish is rust resisting and will retain its lustre.

No.	Description	List Each
S-16	EXTRA LONG SPEEDER HANDLE. Here's that long, lean reach on the most modern Speeder, especially built to save time, labor and grief when getting into tough spots on present day motors. The extra length makes it unnecessary to remove the hood or other interfering parts, but reaches down in and engages nuts in dark corners, at difficult angles, where average tools are useless. Especially efficient when hooked up with Herbrand 12-point Flexible Series Sockets. Has knurled revolving grip handles. Designed with a short sweep for maximum clearance. Length 30". Weight 2 lbs. 8 ozs.	\$ 3.00
S-17	SHORT SPEEDER HANDLE. Forged solid and specially designed for maximum clearance and leverage. Knurled revolving grips. 15" long. Weight 1 lb. 7 ozs.	2.15
S-18	FLEX SPEEDER HANDLE. Combines the advantages of a flex handle and the fast working qualities of a speeder. A spring controlled friction ball holds the compact swivel joint at any desired angle, turning to a full 90° to tighten or break loose the most stubborn nut, then swings to the most convenient angle for spinning on or off. Equipped with knurled revolving grip handle. A time saver on cylinder heads, main bearings, connecting rods and the like. Length 16". Weight 1 lb. 9 ozs.	4.00
S-19	LONG SPEEDER HANDLE. Forged solid and designed to deliver the utmost in speed and efficiency. Knurled revolving grips. 18" long. Weight 1 lb. 10 ozs.	2.40
	EXTENSIONS. All Herbrand Standard Extensions are forged solid with 1/2" square drive opening in the heads for use with other attachments. Drilled to engage T bar No. S-33, they also have retaining holes for positive lock-on to all units. The drive ends have a forged shoulder which acts as a positive socket stop and are equipped with lock-on ball to keep the sockets from working loose or falling off.	
S-25	EXTENSION, 2" long. Weight 3 ozs. ....	.85
S-27	EXTENSION, 5" long. Weight 6 ozs.	1.00
S-28	EXTENSION, 10" long. Weight 12 ozs.	1.15
S-29	EXTENSION, 10" long with center swivel grip. Weight 15 ozs.	1.70
S-31	EXTENSION, 18" long. Weight 1 lb. 5 ozs.	1.85
S-32	EXTENSION, 26" long. Weight 1 lb. 12 ozs.	2.30

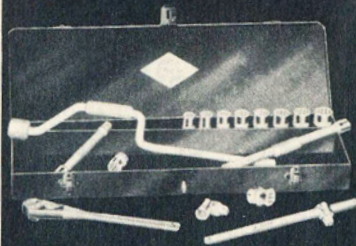




"VAN-CHROME"
SOCKET ASSORTMENT No. SA-70
STANDARD SERIES— $\frac{1}{2}$ " DRIVE



"VAN-CHROME"
FLEX SET No. SA-71 $\frac{1}{2}$
STANDARD SERIES— $\frac{1}{2}$ " DRIVE



"VAN-CHROME"
SOCKET SET No. SA-72 $\frac{1}{2}$
STANDARD SERIES— $\frac{1}{2}$ " DRIVE

Standard Series "Van-Chrome" Socket Wrench Sets

$\frac{1}{2}$ " Square Drive

Here are set combinations containing all the latest units in *Hot Forged* Sockets and speedier, better designed Handles. With the "Van-Chrome" line the mechanic is enabled to build any combination required to suit his individual need.

Standard Socket Assortment No. SA-70

A popular assortment of 16 *Hot Forged* Sockets with 12-point openings and extra thin straight side walls for more clearance and faster work.

Contents: 16 "Van-Chrome" Sockets, Nos. S-112, $\frac{3}{16}$ "; S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-119, $\frac{19}{32}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{11}{16}$ "; S-122, $\frac{13}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $\frac{27}{32}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ "; S-130, $\frac{15}{16}$ "; S-131, $\frac{31}{32}$ "; S-132, 1"; S-134, $1\frac{1}{16}$ ".

SET No. SA-70, in fibre box. Weight 2 lbs. 5 ozs.

LIST PRICE, complete.....\$13.65

Standard Flex Set No. SA-71 $\frac{1}{2}$

This Utility Set carries the No. S-13 Flexible Handle and T Bar No. 33, combined with ten selected "Van-Chrome" Socket sizes.

Contents, total of 12 pieces: 10 "Van-Chrome" 12-point Sockets Nos. S-114, $\frac{3}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{11}{16}$ "; S-122, $\frac{13}{16}$ "; S-124, $\frac{3}{4}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ "; S-130, $\frac{15}{16}$ ". Flexible Offset Handle No. S-13 and T Handle Bar No. S-33.

SET No. SA-71 in fibre box. Weight 2 lbs. 12 ozs.

LIST PRICE, complete.....\$11.50

SET No. SA-71 $\frac{1}{2}$ in metal box. Weight 4 lbs. 6 ozs.

LIST PRICE, complete.....12.20

Standard Socket Set No. SA-72 $\frac{1}{2}$

A comprehensive assortment that comprises 10 of the most popular sizes of *Hot Forged* Sockets and 6 light weight Handle Units. It meets the needs of most mechanics and there is ample room provided in the attractive and substantial metal tool box for additional Sockets and Handles. The box has a convenient carrying handle and is fitted with lock and nickel clasps.

Contents, total of 16 pieces: 10 "Van-Chrome" 12-point Sockets Nos. S-114, $\frac{3}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{11}{16}$ "; S-122, $\frac{13}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $\frac{27}{32}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ ". Reversible Ratchet No. S-10; Speed Handle No. S-17; Sliding T Handle No. S-21; Extension 5" long No. S-27; Extension 10" long No. S-28 and short coupled Universal Joint No. S-35.

SET No. SA-72, in fibre box. Weight 6 lbs. 6 ozs.

LIST PRICE, complete.....\$21.45

SET No. SA-72 $\frac{1}{2}$, in metal box. Weight 11 lbs. 8 ozs.

LIST PRICE, complete.....23.95

Standard Series "Van-Chrome" Socket Wrench Sets

1/2" Square Drive

All Herbrand Standard Series Socket Sets are complete for specific service jobs. For the professional mechanic, who needs an extra large assortment of matched units, the sets shown on this page will be found more than adequate, and the roomy steel boxes provide space for special items as may be selected.

Standard Flex Set No. SA-73 1/2

This popular set carries the extra long 18" Flexible Handle No. S-15 and the T Bar No. S-33. Also 16 Hot Forged Straight Walled Sockets with 12-point openings providing a range of sizes from 3/8" to 1 1/16".

Contents, total of 18 pieces: 16 "Van-Chrome" Sockets Nos. S-112, 3/8"; S-114, 7/16"; S-116, 1/2"; S-118, 9/16"; S-119, 1 1/16"; S-120, 5/8"; S-121, 2 1/4"; S-122, 1 1/4"; S-124, 3/4"; S-125, 2 3/4"; S-126, 1 3/4"; S-128, 7/8"; S-130, 1 5/8"; S-131, 1 1/2"; S-132, 1" and S-134, 1 1/16". Long Flexible Offset Handle No. S-15 and T Handle Bar No. S-33.

SET No. SA-73, in fibre box. Weight 4 lbs. 9 ozs.
LIST PRICE, complete.....\$17.65

SET No. SA-73 1/2, in metal box. Weight 6 lbs.
LIST PRICE, complete.....18.90

Standard Socket Set No. SA-74 1/2

A well balanced complete assortment of "Van-Chrome" Standard Series Sockets and Handles, carefully selected as those tools regularly required for all around service. Every professional mechanic needs this matched set which carries sixteen popular sizes of Hot Forged 12-point sockets; seven 8-point Sockets and 13 Handles.

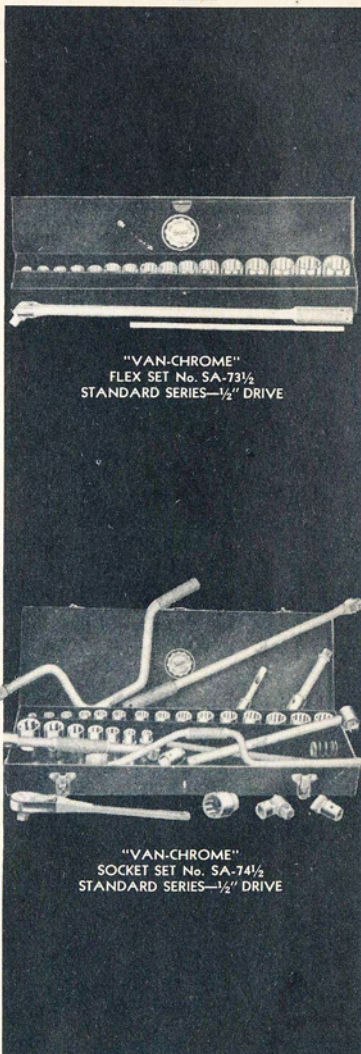
The heavy gauge metal box will last a life time and there is ample space for additional tools. It is fitted with lock, nickel clasps and a carrying handle.

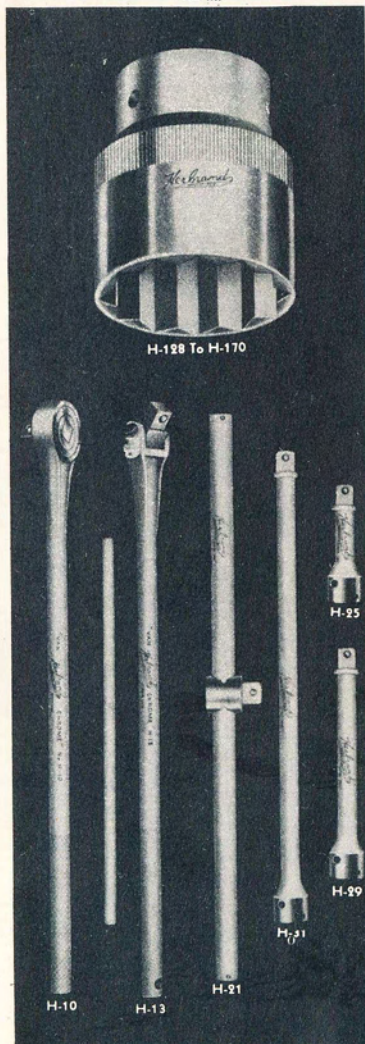
Contents: 16 twelve point Sockets, Nos. S-112, 3/8"; S-114, 7/16"; S-116, 1/2"; S-118, 9/16"; S-119, 1 1/16"; S-120, 5/8"; S-121, 2 1/4"; S-122, 1 1/4"; S-124, 3/4"; S-125, 2 3/4"; S-126, 1 3/4"; S-128, 7/8"; S-130, 1 5/8"; S-131, 1 1/2"; S-132, 1"; S-134, 1 1/16". 7 eight point Sockets, Nos. S-212, 3/8"; S-214, 7/16"; S-216, 1/2"; S-218, 9/16"; S-220, 5/8"; S-224, 3/4"; S-228, 7/8".

Includes special Handles and Attachments: Reversible Ratchet No. S-10; No. S-13 Flex Handle; No. S-17 Speeder; No. S-18 Flex Speed Handle; No. S-21 Sliding T. Extensions, No. S-25 2" long; No. S-27 5" long; No. S-28 10" long, T Spinning Bar No. S-33; Universal Joint No. S-35; Spring Stabilizer No. S-36. Drag Link No. S-37 and S-41 Screw Driver. Total of 36 pieces.

SET No. SA-74, in fibre box. Weight 13 lbs.
LIST PRICE, complete.....\$42.75

SET No. SA-74 1/2, in metal box. Weight 18 lbs.
LIST PRICE, complete.....45.25





Heavy Duty Series "Van-Chrome" Sockets

Extra Thin Straight Walls
 $\frac{3}{4}$ " Square Drive

Hot Forged from Chrome Molybdenum Steel

Engineered and designed to perform the most strenuous work on large diameter nuts where extra strength and the safety factor are vitally important. Unnecessary bulk and weight which mean clumsiness are eliminated. Equipped with a safety snap, lock-on feature. Triple satin nicked with polished walls.

12-Point Sockets

Number	Openings	Height	Wt. Per Doz.	List Price
H-128	$\frac{7}{8}$	$1\frac{1}{8}$	3 lbs. 12 ozs.	\$1.10
H-130	$1\frac{1}{8}$	$1\frac{1}{8}$	4 2	1.15
H-131	$1\frac{3}{32}$	$1\frac{1}{8}$	4 2	1.15
H-132	1	$1\frac{1}{8}$	4 5	1.15
H-134	$1\frac{1}{8}$	2	4 8	1.35
H-136	$1\frac{1}{8}$	$2\frac{1}{8}$	5 1	1.40
H-140	$1\frac{1}{8}$	$2\frac{1}{8}$	5 10	1.65
H-142	$1\frac{1}{8}$	$2\frac{1}{8}$	6 6	1.65
H-144	$1\frac{1}{8}$	$2\frac{1}{8}$	6 15	1.95
H-146	$1\frac{1}{8}$	$2\frac{1}{8}$	8 7	2.20
H-148	$1\frac{1}{8}$	$2\frac{1}{8}$	8 7	2.30
H-152	$1\frac{1}{8}$	$2\frac{1}{8}$	11 13	2.50
*H-156	$1\frac{1}{8}$	$2\frac{1}{8}$	12	3.45
†H-158	$1\frac{1}{8}$	$2\frac{1}{8}$	12 12	3.90
H-160	$1\frac{1}{8}$	$2\frac{1}{8}$	18 12	3.90
‡H-164	2	$3\frac{1}{8}$	22 8	4.60
§H-170	$2\frac{1}{8}$	$3\frac{1}{8}$	27	5.40

*For V-8 Truck Axle Nuts. †For Rear Axle Nuts 1931 to 1933 Chevrolet Trucks. ‡For 1934 and 1935 Chevrolet Trucks. §Used extensively on Buses.

Heavy Duty Handles

No.	Description	List Each
H-10	RATCHET HANDLE. Power plus to handle the most obstinate nuts. The use of 36 teeth permits a short throw, insures a grip that is positive, and eliminates slipping. Length 21", Weight 4 lbs.	\$13.00
H-13	FLEXIBLE OFFSET HANDLE. Surplus power, distinctive advantages of working efficiency and more speed are featured. A friction spring plunger holds the hinged drive at any angle desired. The knurled handle is cross drilled for insertion of the spinning T Bar No. H-33 which is sold as a unit with the handle. 21" long. Weight 3 lbs. 13 ozs.	6.90
H-21	SLIDING T HANDLE. The forged head slides flush to the ends for use as an offset wrench and a friction ball holds the head firmly at any point. 18" long. Weight 2 lbs. 10 ozs.	3.80
HEAVY DUTY EXTENSIONS. All Extensions are forged solid. The $\frac{3}{4}$ " heads are equipped with a retaining hole for positive locking to the Handles. The opposite ends are forged with an offset shoulder which provides a positive socket stop.		
H-25	EXTENSION, 4" long. Weight 10 ozs.	2.00
H-29	EXTENSION, 8" long. Weight 1 lb. 3 ozs.	2.55
H-31	EXTENSION, 16" long. Weight 2 lbs. 4 ozs.	3.15
H-33	T HANDLE BAR, 20" long. Weight 15 ozs. ....	.60

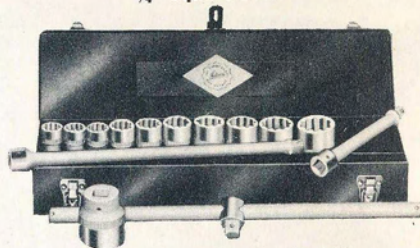
Heavy Duty Series "Van-Chrome" Socket Sets $\frac{3}{4}$ " Square Drive

Every thoroughly equipped mechanic needs a complete set of "Van-Chrome" Heavy Duty Sockets. These large diameter sockets have many applications and are essential for truck, bus, tractor and industrial work. They are also needed for work on farm and power machinery, road building equipment and all heavy machinery units.

The "Van-Chrome" Heavy Duty Socket line insures faster and easier work because it is designed for maximum handling efficiency. All unnecessary weight and clumsiness has been dispensed with. The sockets have straight walls and even though very thin they can be depended upon to give uninterrupted service under the most strenuous conditions. These 12-point sockets cannot slip from the handle end because they are equipped with lock-on feature which securely holds them in place.

Sockets and Handle Attachments are *Hot Forged* from a special analysis Chrome Molybdenum Steel and are heat treated all the way through. Hand-somely finished in Herbrand's lustrous triple nickel with highly buffed side walls.

The tool boxes are constructed of heavy gauge steel, attractively lacquered and fitted with carrying handle and nickel plated clasps. They provide ample space for additional tools.



Heavy Duty Socket Set No. HA-80 $\frac{1}{2}$

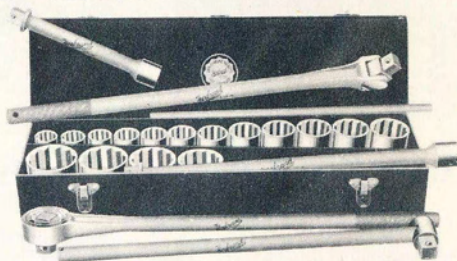
Contents, total of 14 pieces: 11 "Van-Chrome" Heavy Duty Sockets Nos. H-128, $\frac{7}{8}$ "; H-130, $1\frac{1}{16}$ "; H-131, $1\frac{3}{32}$ "; H-132, 1"; H-134, $1\frac{1}{4}$ "; H-136, $1\frac{1}{2}$ "; H-140, $1\frac{1}{4}$ "; H-144, $1\frac{1}{2}$ "; H-146, $1\frac{1}{2}$ "; H-148, $1\frac{1}{2}$ "; H-152, $1\frac{1}{2}$ ". Sliding T Handle No. H-21. Extensions No. H-29 and No. H-31.

SET No. HA-80, in fibre box. Weight 11 lbs.

LIST PRICE, complete.....\$27.40

SET No. HA-80 $\frac{1}{2}$, in metal box. Weight 16 lbs.

LIST PRICE, complete.....29.90



Heavy Duty Socket Set No. HA-82 $\frac{1}{2}$

Contents, total of 22 pieces: 16 "Van-Chrome" Heavy Duty Sockets with 12-point openings Nos. H-128, $\frac{7}{8}$ "; H-130, $1\frac{1}{16}$ "; H-131, $1\frac{3}{32}$ "; H-132, 1"; H-134, $1\frac{1}{4}$ "; H-136, $1\frac{1}{2}$ "; H-140, $1\frac{1}{4}$ "; H-142, $1\frac{1}{2}$ "; H-144, $1\frac{1}{2}$ "; H-146, $1\frac{1}{2}$ "; H-148, $1\frac{1}{2}$ "; H-152, $1\frac{1}{2}$ "; H-156, $1\frac{1}{4}$ "; H-158, $1\frac{1}{2}$ "; H-160, $1\frac{1}{2}$ " and H-164, 2". 6 Heavy Duty Handles: Ratchet No. H-10; Flex Handle No. H-13 and Spinning T Bar; Sliding T Handle No. H-21 and 2 Extensions Nos. H-29 8" long and H-31 16".

SET No. HA-82, in fibre box. Weight 28 lbs.

LIST PRICE, complete.....\$64.80

SET No. HA-82 $\frac{1}{2}$, in metal box. Weight 36 lbs.

LIST PRICE, complete.....68.30

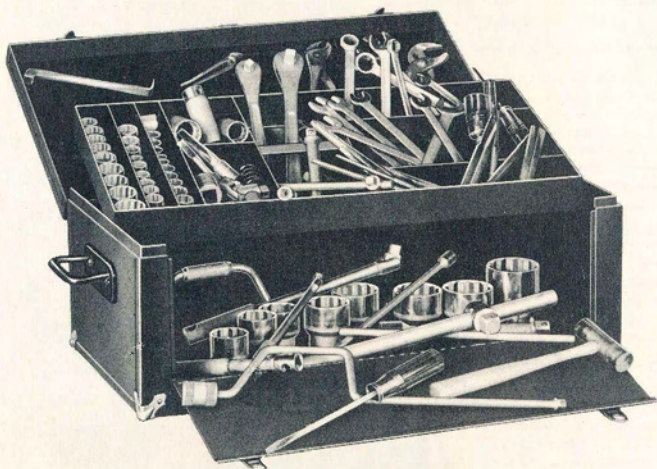
Heavy Duty Socket Set No. HA-81

(not illustrated)

An assortment of Heavy Duty $\frac{3}{4}$ " Drive Sockets comprising one each of sixteen sizes, Nos. H-128 to H-164 inclusive listed on page 16.

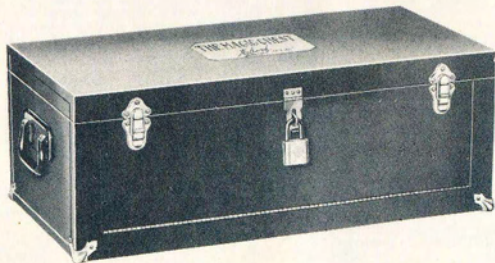
SET No. HA-81, in fibre box. Weight 10 lbs.

LIST PRICE, complete.....\$35.40



The Magic Chest of 101 "Van-Chrome" Tools No. MC-101

A Complete Assortment of Necessary Tools



Like the magic of Aladdin's lamp, when the lid of this Chest is lifted, the sparkle of 101 practical tools of a thousand and one uses transports the mechanic to a complete tool room—nothing unnecessary—nothing missing. All genuine Herbrand "Van-Chrome"—the ultimate in tool perfection. The sturdy Chest of heavy gauge metal will stand the rigors of a life time of service and is heavily lacquered to resist rust. Trays may be removed or the entire box rolled easily on smooth running ball bearing castors. The Magic Chest may be purchased with the complete listed assortment selected by experts, or the modified set which is ideal for the beginning of a complete tool chest.

Magic Chest No. MC-101

Contents, Total of 101 Pieces

The most comprehensive, best balanced selection of practical quality tools ever assembled. It includes the necessary tools for nearly every general service job—from the most delicate ignition and carburetor adjustments to heavy duty work on trucks, buses and industrial machinery.

Plenty of space is provided in the substantial, life-time metal chest for additional tools, coveralls and other storage.

Magic Chest No. MC-56

With Modified Assortment of 56 Tools

Junior Series Sockets and Handles— $\frac{3}{8}$ " Drive

Seven straight wall, extra thin 12-point Sockets, sizes $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{9}{16}$ ", $\frac{5}{8}$ ", $1\frac{1}{16}$ " and $1\frac{1}{8}$ ".

Three 8-point Sockets, sizes $\frac{3}{8}$ ", $\frac{7}{16}$ " and $\frac{1}{2}$ ".

Eight Handles and Attachments: Nos. J-10 Reversible Ratchet; J-21 Sliding T Handle; J-17 Speeder Handle; J-27 5" Extension; J-33 Spinning T Bar; J-35 Universal Joint; J-36 Spring Stabilizer and J-37 Screw Driver.

Standard Series Sockets and Attachments— $\frac{1}{2}$ " Drive

Fifteen extra thin, straight 12-point Sockets, sizes $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{9}{16}$ ", $1\frac{1}{16}$ ", $\frac{5}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{4}$ ", $1\frac{3}{8}$ ", $1\frac{1}{2}$ ", $1\frac{5}{8}$ ", $1\frac{3}{4}$ ", $1\frac{7}{8}$ ", $2\frac{1}{8}$ " and $2\frac{1}{4}$ ".

Three Extra Deep 12-point Sockets, sizes $\frac{1}{2}$ ", $\frac{5}{8}$ " and $1\frac{1}{8}$ ".

Three 8-point Sockets, $\frac{1}{2}$ ", $\frac{9}{16}$ ", $\frac{5}{8}$ ".

Seven Handles and Attachments: Nos. S-10 Reversible Ratchet; S-17 Speeder Handle; S-21 Sliding T Handle; S-27 5" Extension; S-33 T Bar; S-35 Universal Joint; S-36 Spring Stabilizer.

Miscellaneous Tools

Four Combination Box and Open End Wrenches, $\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{9}{16}$ ", $\frac{5}{8}$ ".

Three Protectorscrew Drivers: Nos. 310, 2" blade; 312, 3" blade; 315, $1\frac{1}{4}$ " blade.

No. 166-S Multigrip Plier; No. 167-S Midget Plier and No. 652 Protector Hammer.

SET No. MC-56, containing one each of the 56 tools described above, including the same sturdy chest illustrated for set MC-101.

LIST PRICE, complete.....\$77.25

Junior Series Sockets and Handles— $\frac{3}{8}$ " Drive

Seven 12-point, straight, thin wall Sockets, Nos. J-112, $\frac{3}{8}$ "; J-114, $\frac{7}{16}$ "; J-116, $\frac{1}{2}$ "; J-118, $\frac{9}{16}$ "; J-120, $\frac{5}{8}$ "; J-122, $1\frac{1}{16}$ "; J-124, $\frac{3}{4}$ ".
Three 8-point, thin wall Sockets, Nos. J-212, $\frac{3}{8}$ "; J-214, $\frac{7}{16}$ "; J-216, $\frac{1}{2}$ ".
Two Extra Deep 12-point Sockets, Nos. J-416, $\frac{1}{2}$ " and J-418, $\frac{9}{16}$ ".
No. J-10 Improved Reversible Ratchet; J-13 Flexible Offset Handle; J-17 Speed Handle; J-27 Extension 5" long; J-35 Universal Joint; J-36 Spring Stabilizer; J-37 Screw Driver Socket and J-33 Sliding T Bar.

Standard Series Sockets and Handles— $\frac{1}{2}$ " Drive

Fifteen 12-point, straight, thin wall Sockets, Nos. S-112, $\frac{3}{8}$ "; S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-119, $1\frac{1}{16}$ "; S-120, $\frac{5}{8}$ "; S-121, $2\frac{1}{16}$ "; S-122, $1\frac{1}{8}$ "; S-124, $\frac{3}{4}$ "; S-125, $1\frac{1}{4}$ "; S-126, $1\frac{3}{8}$ "; S-128, $\frac{7}{8}$ "; S-130, $1\frac{1}{2}$ "; S-131, $1\frac{3}{4}$ " and S-132, 1".
Three 8-point, thin wall Sockets, Nos. S-216, $\frac{1}{2}$ "; S-218, $\frac{9}{16}$ "; S-220, $\frac{5}{8}$ ".
Three Extra Deep Sockets, DS-26, $1\frac{1}{16}$ "; DS-28, $\frac{7}{8}$ " and DS-32, 1".
Socket Extension Adaptors Nos. A-390 $\frac{3}{8}$ " x $\frac{1}{2}$ " and No. A-391 $\frac{1}{2}$ " x $\frac{3}{8}$ ".
No. S-10 Improved Reversible Ratchet with 28 teeth; S-13 Flexible Offset Handle; S-17 Speeder Handle; S-27 Extension 5" long; S-28 Extension 10" long; S-33 T Handle; S-35 Short Coupled Universal Joint; S-36 Spring Stabilizer; S-37 Drag Link Socket and No. S-41 Screw Driver.

Heavy Duty Series Sockets and Handles— $\frac{3}{4}$ " Drive

Eight 12-point, straight wall Sockets, Nos. H-134, $1\frac{1}{16}$ "; H-136, $1\frac{1}{8}$ "; H-140, $1\frac{1}{4}$ "; H-144, $1\frac{3}{8}$ "; H-146, $1\frac{1}{2}$ "; H-148, $1\frac{3}{4}$ "; H-156, $1\frac{7}{8}$ "; H-158, $2\frac{1}{8}$ ".

No. H-21 Sliding T Handle 20" long; H-25 Extension 4" long; H-29 Extension 8" long and No. A-393 Extension Adaptor Plug $\frac{1}{2}$ " and $\frac{3}{4}$ ".

Miscellaneous Tools

Six Multitipe Combination Box and Open End Wrenches, Nos. 1214, $\frac{3}{16}$ "; 1216, $\frac{1}{4}$ "; 1218, $\frac{9}{16}$ "; 1220, $\frac{5}{8}$ "; 1222, $1\frac{1}{16}$ " and 1224, $\frac{3}{4}$ ".

Fifteen "Van-Chrome" Assorted Punches and Chisels as follows: Flat Chisels Nos. 401, $\frac{9}{16}$ " x 5"; 402, $\frac{3}{8}$ " x 6"; 403, $\frac{1}{4}$ " x 6". Cape Chisels, Nos. 410, $\frac{9}{16}$ " x 5"; 412, $\frac{1}{2}$ " x 6". Gouge Chisel No. 421, $\frac{3}{8}$ " x 6". Diamond Point Chisel No. 431, $\frac{3}{8}$ " x 6". Pin Punches, Nos. 443, $\frac{9}{16}$ " x 4"; 444, $\frac{3}{8}$ " x $6\frac{1}{2}$ "; 445, $\frac{3}{8}$ " x 6"; 446, $\frac{3}{8}$ " x 7". Solid Punches Nos. 451, $\frac{3}{8}$ " x 5"; 452, $\frac{1}{2}$ " x 6" and 453, $\frac{5}{8}$ " x 7". Center Punch No. 471, $\frac{3}{8}$ " x 5".

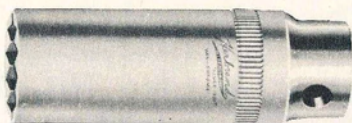
Open End Wrenches: Nos. 1725B, $\frac{1}{2}$ " x $\frac{9}{16}$ "; Special 1027F, $\frac{5}{8}$ " x $1\frac{1}{16}$ ".
Protectorscrew Insulated Handle Screw Drivers as follows: Nos. 310, 2" blade; 312, 3" blade; 315, $1\frac{1}{4}$ " blade; 316, 6" blade.

No. 354 Offset Screw Driver, $6\frac{1}{2}$ " long.
Tappet Wrenches, 2 each of No. H-2 with $\frac{1}{2}$ " and $\frac{9}{16}$ " openings and No. H-3 with $\frac{5}{8}$ " and $1\frac{1}{16}$ " openings.

Special Pliers: No. 166 $\frac{1}{2}$ -S Improved Water Pump and General Service Plier; No. 179-S Battery Plier; No. 167-S Midget Ignition Plier.
No. 652 Protector Hammer.

SET No. MC-101, comprising one each of the 101 tools listed above, including the sturdy metal chest illustrated and described. Size of chest 23 $\frac{1}{2}$ " long, 9" high and 11 $\frac{1}{2}$ " wide. Weight complete 60 lbs.

LIST PRICE, complete.....\$136.95
LIST PRICE, No. MC Chest only.....16.50



Herbrand
FREMONT, O.
"SINCE 1881"

"Van-Chrome" Extra Deep Socket and Spark Plug Wrenches

1/2" Square Drive

Hot Forged from Chrome Molybdenum Steel

Number	Openings	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
DS-16	1/2	3	3 6	\$1.20
DS-18	5/8	3	3 6	1.20
DS-20	3/4	3	3 6	1.25
*DS-22	1 1/4	3	3 8	1.25
DS-24	3/4	3	4 1	1.25
§DS-26	1 3/4	3	4 1	1.55
DS-28	7/8	3 1/4	4 14	1.50
†DS-28B	5 1/4	3 1/4	3 12	1.50
DS-30	1 1/4	3 1/4	5 4	1.60
†DS-32	1	3 1/4	5 7	1.70
DS-34	1 3/8	3 1/4	7 6	1.70
¶DS-36	1 1/2	3 1/4	8 1	1.95

§ Fits A.C. 10 M.M. Plugs. * For Champion 10 M.M. Plugs. § Fits 14 M.M. Plugs and all Chevrolets from 1933. † Extra Thin for Buick. ‡ Fits 18 M.M. Plug and V-8. ¶ For Ford A and 1932 V-8.

In addition to fitting all spark plugs these Extra Deep Sockets are invaluable for work on body bolts, spring clips and many other places where an extra long reach is necessary. Designed with 1/2" square drive opening for use with standard handles and cross drilled in the offset shoulder so that a sliding T bar may be used. *Hot Forged* and heat treated to impart unbreakable strength. The side walls are straight and thin for clearance and the 12-point openings are smooth and deep insuring an accurate, positive fit. Knurled and finished in satin nickel with heads polished.



Extra Deep Heavy Duty Socket No. DS-40

For Spring Clip U Bolts

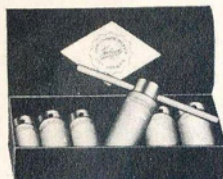
Hot Forged from Chrome Molybdenum Steel

Equipped with 3/4" drive connection to fit any heavy duty handle. Heat treated for brute strength. Finished in satin nickel with polished head. 6-point 1 1/4" hex opening. Height 3 1/2". Weight 1 lb.

LIST PRICE, each.....\$2.50

Made extra deep and strong for tightening spring clip U bolt nuts on International and other trucks and buses. The extra depth allows coverage of both regular and lock-nuts and the extra strength prevents breakage.

It is the only wrench that permits the mechanic to engage the U bolt nuts and properly tighten them because an open end or box wrench does not afford the proper leverage or clearance. The 1 1/4" six-point opening and deep construction adapts this Socket to many other applications. A necessity in every garage and spring service station since the spring clip U bolts should be tightened on each inspection.



Set No. DS-7 1/2

Recessed spark plugs on modern motors make these Extra Deep Sockets an absolute necessity. The extra depth and thin walls reach easily and turn plugs in the tightest places. The accurate, clean 12-points assure a firm, snug fit eliminating the danger of cracked porcelains or mutilated plugs. A 7" slide bar No. DSH-6, for use as a T handle, is supplied with the sets as listed.

Sets No. DS-8 1/2 and DS-9 1/2 are very popular in garages and service stations where there is frequent occasion to test, clean and change spark plugs of all makes.



Spark Plug Tool No. 140

For Gap Adjusting and Accurate Gauging

Carries the four feeler gauge sizes required to space the gap between the electrodes on all types of spark plugs. Size of gauges .020" - .51 M.M., .025" - .63 M.M., .030" - .76 M.M., .035" - .89 M.M.

The adjusting end is machined with the proper slot for setting the electrodes to the spacing required for motor efficiency.

Length 5". Nickel plated.

LIST PRICE, each.....\$.95



Set No. DS-9 1/2

"Van-Chrome" Spark Plug Wrench Sets

SETS DS-6 and DS-6 1/2 contain one each of Nos. DS-18, 9/16"; DS-22, 1 1/16"; DS-26, 1 3/16"; DS-28, 7/8"; DS-30, 1 1/8"; DS-32, 1"; DS-36, 1 1/8" which are listed on page 20; also the Sliding T Bar No. DSH-6.

SET No. DS-6, in fibre box. Weight 3 lbs. LIST PRICE.....\$10.55

SET No. DS-6 1/2, in metal box. Weight 4 lbs. LIST PRICE..... 11.25

SETS DS-7 and DS-7 1/2 contain one each DS-26, DS-28, DS-28B, DS-30, DS-32, DS-36, DSH-6 Handle. Total of 7 pieces.

SET No. DS-7, in fibre box. Weight 2 lbs. 10 ozs. LIST PRICE..... \$ 9.60

SET No. DS-7 1/2, in metal box. Weight 3 3/4 lbs. LIST PRICE..... 10.30

SET No. DS-8 1/2, one each of Nos. DS-26, DS-28B, DS-30, DS-32 and DS-36. 5" Extension S-27; Sliding T Bar S-21 and S-26 Adaptor Wrench. LIST PRICE, in metal box. Weight 4 lbs. LIST PRICE.....\$11.50

SET No. DS-9 1/2, one each of Nos. DS-18, DS-22, DS-26, DS-28B, DS-30, DS-32 and DS-36 Spark Plug Wrenches. 5" Extension No. S-27; 11" Sliding T Handle No. S-21 and S-26 Adaptor Wrench. Total of 10 pieces. LIST PRICE, in metal box. Weight 5 lbs. 14 ozs. LIST PRICE.....\$15.00



Adaptor Wrench No. S-26

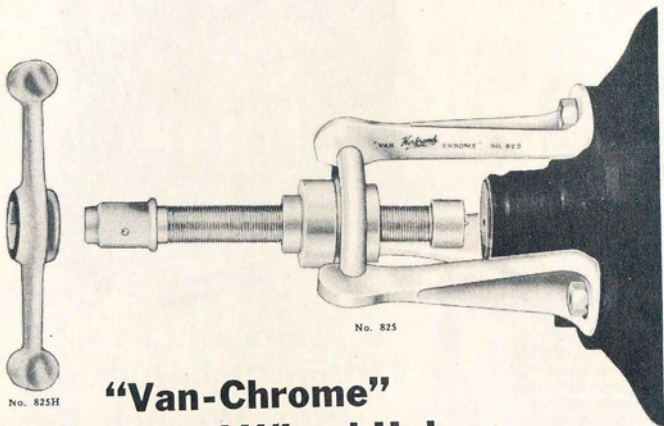
For use with 10 M.M. Spark Plug Adaptors

The application of 10 M.M. plugs to cars not drilled for the small size require a reducing adaptor. This special wrench is designed with a bit end that fits the slotted heads of the adaptors and is essential for their installation or removal. The opposite end has a 1/2" square drive connection that fits standard handles and is cross drilled for a T bar.

Length 5". Weight 8 ozs. Satin Nickel, polished head.

LIST PRICE, each.....\$1.00

Refer to page 76 for Special Spark Plug Adjusting Gauges



"Van-Chrome" Universal Wheel Hub Puller No. 825

Capacity for Most Cars—Fits All Bolt Circles

Solid Drop Forged Hub—Drop Forged Chrome Alloy Pulling Arms

The sliding arms are readily adjustable and quickly adapted to any hub regardless of the number of wheel studs used and where the bolt circle does not exceed $7\frac{1}{2}$ ". Exerts a direct and tremendous pull. Only Herbrand provides the Universal Wheel Puller with the sliding bearing and the floating cap.

No. 825, Wheel Hub Puller. Expansion $7\frac{1}{2}$ ". Weight 9 lbs. 10 ozs. Satin nickel.

LIST PRICE, complete.....\$15.00

No. 825-5, Drop Forged Alloy Steel Puller Arms. Satin nickel.

LIST PRICE, each.....\$ 2.10

Handle No. 825H for Hub Pullers

Notched for Lock-On Feature

Drop Forged and Heat Treated

For use with Herbrand Pullers Nos. 825 and 825F. Will fit any wheel puller which has a $1\frac{1}{4}$ " hex driving head.

Satin nickel. Length 8". Weight 2 lbs.

LIST PRICE, each.....\$ 1.60

Refer to page 141 for special Ford V-8 Wheel Puller Adaptor

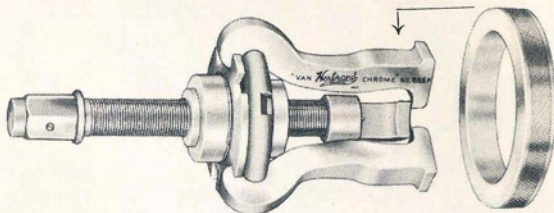
The revolutionary features embodied in this Puller give the highest degree of accuracy, tremendous power and range, a straight pull that will not bend or distort wheel lugs, a sliding bearing in which the driving screw rides and a floating cap on the screw end. The sturdy alloy steel screw works in a sliding bearing so that when it is necessary to bump the end of the screw it positively cannot injure the threads.

Another unique feature, not found on other pullers, is the floating cap on the screw end which centers on the axle and avoids injury to axle or screw.

These distinctive Herbrand features improve the tool so remarkably that it is immediately obvious to the mechanic that no injury can be transmitted to any of the inner parts of the wheel, axle or differential. The simplest puller made, yet covering the widest range of service without the use of trick attachments.



No. 825H



No. 825F

"Van-Chrome" Ford Hub and Wheel Puller 825 F

For All Ford Models from 1928

Solid Drop Forged Hub—Drop Forged Chrome Alloy Pulling Arms

Tough, stubborn hubs on all V-8's and models A and B quickly respond to the direct, powerful pull of this specially designed Ford Hub and Wheel Puller. The drop forged hub, the drop forged chrome alloy pulling arms and the chrome alloy forcing screw are all precision machined and carefully heat treated.

No. 825F, Ford Puller complete as illustrated, but not including the 825H Handle. Finished in satin nickel. Weight 10 lbs. 8 ozs.

LIST PRICE, complete.....\$17.50

No. 825V, Ford Assembly comprising 3 No. 825-6 Pulling Arms, No. 825-7 Retainer Lock Ring and No. 825-8 Automatic Arm Spacer and Spring for use on the No. 825 Universal Puller. With these parts the Standard Puller No. 825 is easily changed in 60 seconds to a complete Ford Puller.

LIST PRICE, complete.....\$ 8.50

No. 825-6, Special Ford Pulling Arms which are interchangeable with the Stud Bolt Pulling Arms of No. 825 shown on page 22.

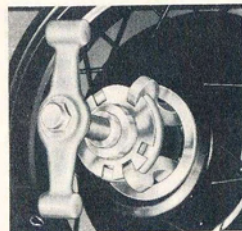
LIST PRICE, each.....\$ 2.10

No. 825-7, Retainer Lock Ring for use with Ford Pulling Arms.

LIST PRICE, each.....\$ 1.70

No. 825-8, Automatic Arm Spacer and Spring, which fits on top of the Hub of the No. 825 Puller, for Ford work.

LIST PRICE, complete.....\$.60



The three drop forged Chrome Alloy pulling arms are shaped to accurately fit and positively engage the groove in the hub. The retainer ring slides over the arms and locks them into the hub groove while pressure is being exerted on the drive screw preventing all possibility of slipping, or popping off the work.

The alloy steel drive screw works in a shock proof sliding bearing and the engaging end is equipped with a floating cap that centers readily on the shaft and eliminates damage to parts.

The automatic arm spacer disc mounted on top of the drop forged hub of the puller exactly spaces and holds the arms in position while the tool is being applied to the work. It has six positions of adjustment.



There has long been a waiting demand for a Knock-Out Wheel Puller of *real quality* at a *moderate price*. "Van-Chrome" Knock-Outs are dependable because they are accurately machined from tough Chrome Alloy Steel and heat treated for strength and shock resistance. They screw up snug to the end of the axle shaft and will stand the hardest hammer blows without injury to threads or shafts. The heads will not mushroom nor split and they are drilled with breather holes to prevent the formation of grease pads which so often cause injury to threads. Finished in satin nickel with polished heads.

"Van-Chrome" Knock-Out Wheel Pullers

Nickel Plated and Polished Chrome Alloy Steel

Catalog Number	Size Opening	Threads to Inch	Height	Weight Per Doz. Lbs. Ozs.	List Price Each
*KO-20	5/8	18 SAE	1 5/8	5 4	\$.90
KO-24	3/4	16 SAE	1 3/4	5 7	1.00
†KO-24T	3/4	20 USF	2 4	6 3	1.00
‡KO-26	1 1/16	16 SAE	3 1/2	11 10	1.10
KO-28	7/8	14 SAE	1 3/4	5 4	1.10
†KO-28H	7/8	18 USF	1 3/4	6 12	1.10
KO-32	1	14 SAE	1 3/4	7 2	1.20
KO-36	1 1/8	12 SAE	1 3/4	9 6	1.50
KO-40	1 1/4	7 USS	1 3/4	7 8	1.90
‡KO-40T	1 1/4	12 SAE	1 3/4	8 1	1.90

*Ford V-8 †Terraplane ‡Chevrolet late '32 §Hudson-Essex †Chevrolet Truck

SET No. KO-10 containing one each of the above ten Knock-Outs. Weight 7 lbs. 4 ozs.

LIST PRICE, complete in metal box.....\$13.40

Knock-Out Wheel Puller Set No. K-10

The set illustrated above carries the popular sizes to service practically all makes of cars and light trucks. These Knock-Outs are simple and efficient to use and offer the quickest and most convenient method of jarring loose the tightest wheels without damage to axle or threads. The ten "Van-Chrome" Wheel Pullers in Set No. KO-10 are packed in a durable metal box.



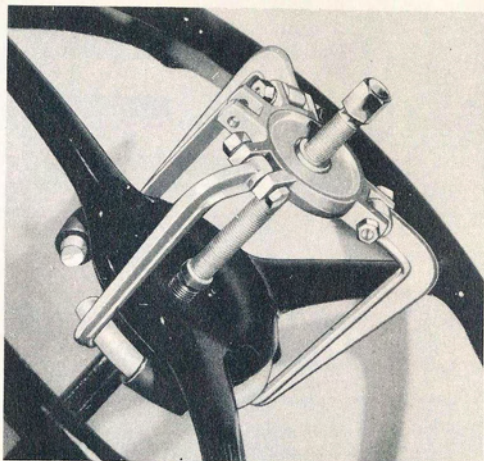
Pulling Four Spoke Wheel

Due to the construction of most steering wheels it is impossible to pull them with an ordinary puller. The Herbrand Universal Puller easily adjusts to fit any type steering wheel on all passenger cars and most trucks whether they have three or four spokes.

Servicing steering worms, bearings and other parts of the steering assembly and replacement of cracked wheels are frequently necessary. This Puller was specifically designed to remove all types of steering wheels with a minimum of effort and without damage to any of the assembly.

The majority of late model cars have three spoke steering wheels and require a three jaw puller. Older model cars with four spoke wheels require a two jaw puller. The No. 835 Universal Steering Wheel Puller is equipped with three adjustable pulling arms on a drop forged circular hub and an extra fourth position for converting it into a two arm puller. The arms are easily removed and placed in any position to handle any type of steering wheel.

Mechanics will find this Puller a big factor in time and labor saving and perfect workmanship on all steering assembly work.



Pulling Three Spoke Wheel

"Van-Chrome" No. 835 Steering Wheel Puller

Universal for All Steering Wheels

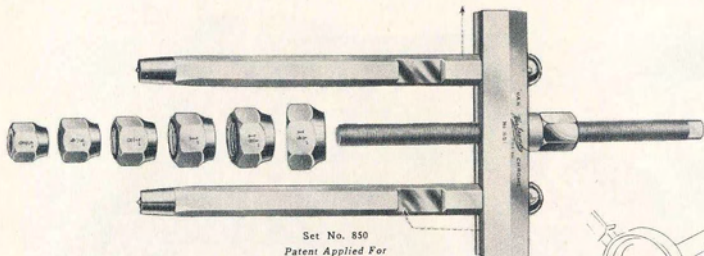
Chrome Vanadium Steel—Adjustable Pulling Arms

Like all important Herbrand tools this Puller is drop forged from select Chrome Vanadium Steel and expertly heat treated. The pulling arms are adjustable to any position on the hub for a straight, positive pull on either three or four spoke wheels.

The steel ring against which the actual pulling is done has three rubber cushions which protect the wheel from marring, scratching and cracking no matter how great a strain is placed on the tool. A special revolving nipple on the end of the forcing screw eliminates any danger of damaging the shaft and avoids friction.

Length of arms $5\frac{1}{4}$ ". Weight 3 lbs. Finished in satin nickel. Individually boxed.

LIST PRICE, each.....\$11.25



Set No. 850
Patent Applied For

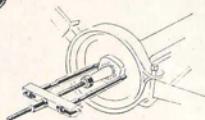
"Van-Chrome" Heavy Duty Puller

For Axles, Shafts, Gears, Bearings, Sprockets, Etc.

Chrome Vanadium Steel—Adjustable Length and Width

Here is the special tool that adapts itself to almost every variety of pulling service; quickly and efficiently handling those difficult jobs which formerly consumed hours of time, labor and grief.

Puller and Threaded Adaptors are made from select Chrome Vanadium Steel, machined to exacting tolerances, and electrically heat treated for gruelling service. Handsomely finished in rust proof dull satin and contrasting polished nickel. Puller and Adaptors can be purchased individually or in a complete set.



Pulling Axle Shaft

A new Heavy Duty Puller, almost universal in scope, of such revolutionary principle that it will quickly pay for itself in any shop. Designed to do a great many difficult jobs and replace a large number of costly special tools. Permits a wide variety of adjustments by using Detachable Threaded Adaptors for pulling axle shafts, cam shafts, drive shafts, transmission shafts, gears, bearings, sprockets, ball races and other parts from most cars and trucks.

It has two adjustments for length and the Chrome Vanadium pulling block is slotted to permit setting the jaws at any desired width. The six Threaded Adaptors, $\frac{5}{8}$ " to $1\frac{1}{4}$ " inclusive, furnished with Set No. 850 cover the general field of use. Five additional Threaded Adaptor sizes, for special jobs, are available and can be purchased individually. Used as attachments for the Heavy Duty Puller, the Bearing Race Tool No. 860 and Timing Gear Pulling Attachment No. 861, illustrated on page 27, perform with ease difficult jobs which formerly were time consuming and costly.

Catalog Number	Size Adaptor Openings	Threads to Inch	Weight Each Ozs.	List Price Each
852	$\frac{5}{8}$	18 SAE	$3\frac{1}{4}$	\$.65
853	$\frac{3}{4}$	16 SAE	5	.65
854	$\frac{7}{8}$	14 SAE	5	.80
855	1	14 SAE	6	.80
856	$1\frac{1}{8}$	12 SAE	7	1.00
857	$1\frac{1}{4}$	12 SAE	$7\frac{1}{2}$	1.00
*853T	$\frac{3}{4}$	20 Spec.	5	.80
†853C	$1\frac{1}{8}$	16 Spec.	5	.80
‡854H	$\frac{7}{8}$	18 Spec.	5	.80
§857S	$1\frac{1}{4}$	7 USS	$7\frac{1}{2}$	1.00
858	$1\frac{1}{2}$	12 SAE	8	1.20

*Terraplane

†Chevrolet 1932

‡Hudson-Essex

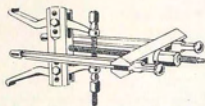
§International Truck

No. 851 Heavy Duty Puller. Length 12". Weight 6 lbs. 3 ozs.

LIST PRICE, each.....\$13.30

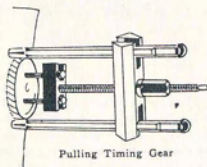
SET No. 850 comprising No. 851 Puller and six Threaded Adaptors Nos. 852, 853, 854, 855, 856, 857. Weight 8 lbs.

LIST PRICE, complete in fibre box.....\$18.20



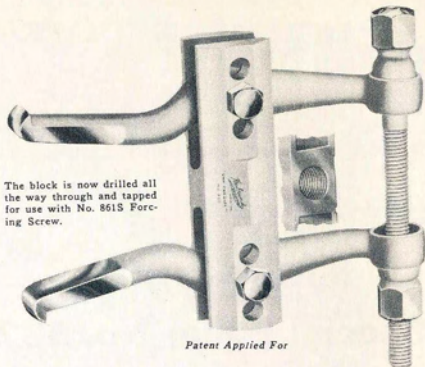
In Position to Pull Bearing Race

Used in conjunction with the Herbrand Heavy Duty Puller this special tool performs with ease one of the most difficult service jobs encountered today. With jaws curved to conform to the contour of the Timken race it will pull badly worn races without scoring the inside of the axle housing. Bearings in good condition may also be removed without damage when it is necessary to replace oil retainers, etc. The jaws are adjustable, covering a range from $1\frac{1}{4}"$ to $4\frac{3}{4}"$ and can be used for many other inside pulling jobs. A special engineering feature permits the jaws to take a positive, non-slip working grip.



Pulling Timing Gear

An important attachment for the Heavy Duty Puller which is essential for pulling timing gears, cam gears, fan pulleys, balancers, Hudson-Essex main bearings and many other jobs. Pulls Chevrolet fan pulleys with harmonic balancers, Buick crankshaft gears and all others which are tapped for cap screws. Untapped gears may be tapped to the proper size and removed easily with this tool.



The block is now drilled all the way through and tapped for use with No. 861S Forcing Screw.

Patent Applied For

Bearing Race Puller 860

For Chevrolet, Nash, Hudson, Hupp, All Chrysler Built Cars and Others

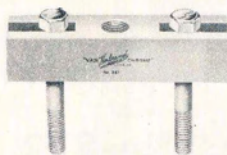
Chrome Vanadium Steel—Reversible Jaws

Designed with reversible jaws so it can be applied to both inside and outside pulling work. The slotted block is drilled and tapped all the way through so that the $11\frac{1}{2}"$ Forcing Screw No. 861S, listed below, can be used if desired.

A necessary time and labor saver for all shops working on Hudson, Essex, Hupmobile, Chevrolet, Nash, Plymouth, Dodge, Chrysler, DeSoto and other cars. Satin nicked and polished.

No. 860. Length $7\frac{1}{2}"$. Inside pulling range $1\frac{1}{4}"$ to $4\frac{3}{4}"$. Wt. 3 lbs.
LIST PRICE, each \$15.00

No. 860 $\frac{1}{2}$. Extra Long Jaws to pull felt grease retainers and ball races on large trucks.
LIST PRICE, per pair \$ 7.50



"Van-Chrome" Timing Gear Puller No. 861

For Timing Gears, Fan Pulleys, Balancers, Cam Gears, Etc.

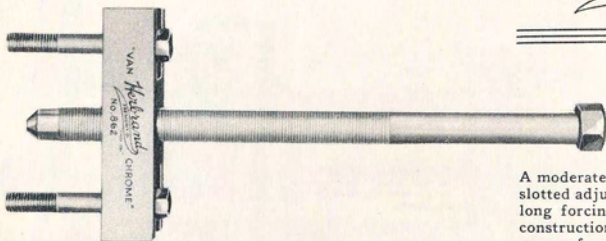
Chrome Vanadium Steel

Equipped with two $\frac{3}{8}"$ U.S.S. heat treated cap screws which may be removed and replaced with other sizes if necessary. The block is drilled and tapped all the way through the center for use with the No. 861S Forcing Screw. Satin nicked.

No. 861. Length $4\frac{1}{2}"$. Weight 1 lb. 3 ozs.
LIST PRICE, each \$ 4.15

No. 861S Forcing Screw. Length $11\frac{1}{2}"$. For use with Pullers Nos. 860 and 861.

LIST PRICE, each \$ 1.60



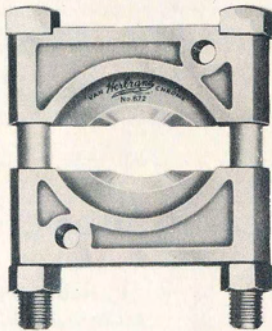
"Van-Chrome" Special Puller No. 862

For Timing Gears, Fan Pulleys, Crank Shaft Gears, Balancers, Cam Gears and Inside Pulling Jobs

Chrome Vanadium Steel

Length $11\frac{1}{2}$ ". Weight 2 lbs. Satin nickeled.

LIST PRICE, complete.....\$5.60



"Van-Chrome" No. 872 Gear Puller Attachment

For Generator Gears, Bearings, Races, Etc.

Drop Forged from Chrome Vanadium Steel

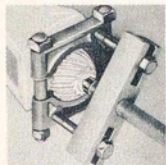
Capacity up to $2\frac{1}{4}$ " diameter. Overall dimensions $3\frac{1}{2}$ " x $4\frac{1}{2}$ ". Weight 2 lbs. Satin nickel finish.

LIST PRICE, each.....\$5.80

A moderately priced Puller with slotted adjusting block and extra long forcing screw. The simple construction provides a broad range of application that adapts it to many complicated jobs.

Chevrolet fan pulleys come easy and without removing the radiator, because the forcing screw is long enough to reach through the crank hole; also useful for pulling Buick crankshaft gears, impulse neutralizers on all Chrysler built cars and for all timing gears tapped for cap screws.

The slotted block is equipped with two $\frac{3}{8}$ " cap screws which can be replaced with other sizes.



Essential for pulling generator gears, bearings, bearing cones, ball races and other small parts. Gears and bearings are often placed so close to the housing or other obstructions that puller jaws will not stay on. The knife edges are flush on one side and get behind the work making it possible to pull the most confined part readily. No. 872 Attachment is drilled and tapped diagonally to take the cap screws of No. 862 puller illustrated above. This combination is unbeatable for close, confined work. This Attachment may also be used to advantage, where space permits, with Herbrand's jaw type gear pullers Nos. 830 and 831.

A combination of six shop tested Companion Pullers that work together as the most complete set of Universal Pulling Tools. In addition to replacing many highly specialized and costly individual pullers, this set, with its broad scope of application, equips the mechanic to do all those time-consuming and arduous pulling jobs easily and without expensive delays.

1. Included is the No. 850 Adjustable Heavy Duty Puller and six threaded adaptors for axle shafts, cam shafts, drive shafts, transmission shafts, gears, bearings, sprockets, ball races and other parts.

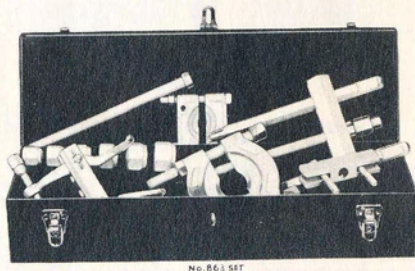
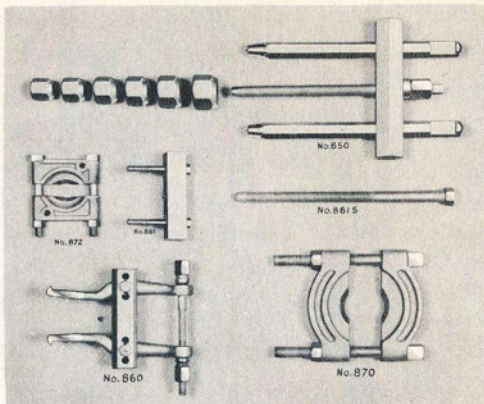
2. The Bearing Race Puller No. 860 with reversible jaws, for both inside and outside pulling, with a range of 1 3/4" to 4 3/4". It serves the widest variety of uses when combined with the No. 850 Heavy Duty Puller or the No. 861S Extra Long Forcing Screw.

3. No. 861 is necessary for pulling timing gears, cam gears, fan pulleys, balancers, crank shaft gears and many other jobs. It is an important attachment for the No. 850 or can be used as an individual puller in conjunction with Extra Long Forcing Screw.

4. Extra Long Forcing Screw No. 861S adapts the above pullers to a much wider range of service and makes Nos. 860 and 861 complete pullers in themselves because they are drilled and tapped all the way through the forcing blocks.

5. Gear Puller Attachment No. 872 makes an ideal combination when used with No. 862 Puller or No. 831 Gear Puller for generator gears, bearings, collars, races and other small parts inaccessible because of obstructions.

6. Bearing Separator No. 870 is included to separate and remove bearings on axle shafts of cars using double Timken bearings.



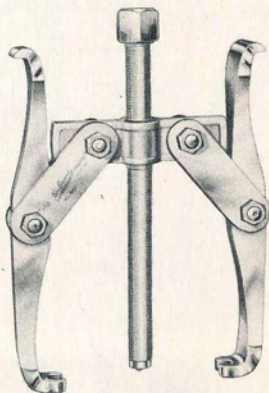
"Van-Chrome" Combination Puller Set No. 863

The Most Complete For All Pulling Jobs

Chrome Vanadium Steel

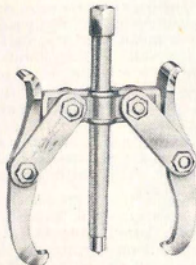
SET No. 863, includes the Heavy Duty Puller No. 851 and six Adaptors—852, 853, 854, 855, 856 and 857. Bearing Race Puller No. 860. Timing Gear Puller No. 861. Extra Long Forcing Screw No. 861S. Gear Puller Attachment No. 872. Bearing Separator No. 870. Detailed description of these tools is found on pages 26 to 31. Weight 28 lbs.

LIST PRICE, complete in metal box.....\$59.00



No. 831

(Pat. No.
 1,709,913)



No. 830

"Van-Chrome" Improved Gear Pullers

Non-Slipping Automatic Grips

Drop Forged from Chrome Vanadium Steel

No. 830 Gear Puller has wide, thin hooks on one end, narrow, thick hooks on the other end; is particularly adapted to pulling generator gears, ball races, timing gears and small pinions.

Length of jaws under cross arm $3\frac{1}{2}$ ". Spread of jaws 0" to 6". Size of screw $\frac{1}{2}$ " diameter by 6" long. Weight 1 lb. 10 ozs.

LIST PRICE, each.....\$9.10

No. 831 Gear Puller has reversible pulling arms, one end with wide thin hooks for accessibility to gears in close quarters, the other end has slotted hooks for pulling gears which are tapped for cap screws. Will handle large gears, pinions and ball races and is an all purpose tool on machinery and automotive work.

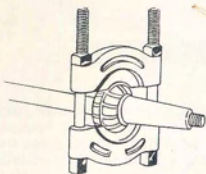
Length of jaws under cross arm $5\frac{1}{2}$ ". Spread of jaws 8". Size of screw $\frac{3}{8}$ " diameter by 9" long. Weight 3 lbs. 12 ozs.

LIST PRICE, each.....\$18.00

A Gear Puller with automatic, non-slip grip has long been sought by mechanics. The patented, positive gripping jaws absolutely prevent slipping because the harder the pull the tighter the grip. Strong, thin jaws permit working in close quarters and no adjustments or extra equipment are required to hold them firmly in place. Light in weight yet the strongest gear pullers made, the double end jaws adapt them to a much wider range of work without the necessity of buying extra jaws.

"Van-Chrome" Automatic Gear Pullers combine all the improved and outstanding features of design, strength and dependability. They will save time and labor in every well equipped repair shop.

Every part is drop forged from select Chrome Vanadium Steel and carefully heat treated to a definite standard of strength to insure the utmost endurance under the terrific strains to which gear pullers are subjected. Available in the two sizes required to cover all types of work. Finished in triple satin nickel with ends brightly polished.



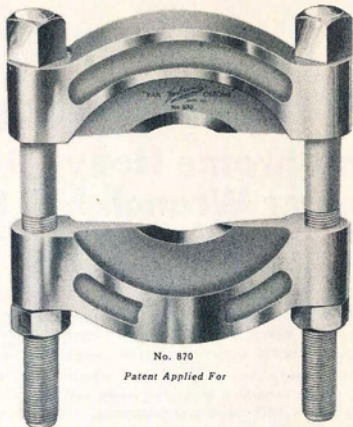
Separating Bearings

Bolt heads are set in milled recesses in the shoulders of the tool to avoid turning when pulling up hex nuts.

With this special tool double bearings on axle shafts may be removed without damaging or completely destroying either one of them. Herbrand engineers, working with mechanics, perfected the tool which handles this most difficult job efficiently and pays for itself in bearings saved on the first few jobs.

Built to separate the double Timken bearings on axle shafts of Chrysler, Dodge, Plymouth, DeSoto, Nash, Hupmobile, Erskine, Rockne and all other cars where the bearings are set tightly together. "Van-Chrome" Bearing Separators perform this tedious and difficult job easily and quickly without loss of time and positively without damage to the expensive bearings.

The knife-like edges are ground to a fine taper and are wedged between the bearings when the forcing screws are turned. This quickly separates the bearings without damage. The bearings are then removed from the shaft with an arbor press or Herbrand No. 831 Gear Puller. Heat treated to give long service and retain the sharp separator edges.



No. 870

Patent Applied For

"Van-Chrome" Bearing Separators

For Separating and Removing Bearings

Drop Forged from Chrome Vanadium Steel

Service shops cannot afford to be without this tool due to its time and money saving features. Drop forged from Chrome Vanadium Steel, expertly heat treated and plated in triple satin nickel with contrasting highly polished surfaces. Available in two sizes.

No. 870 Bearing Separator is particularly adapted to the separation and removal of bearings on axle shafts of Chrysler, Dodge, Plymouth, DeSoto, Nash, Hupmobile, Erskine, Reo, Rockne and other cars using Timken bearings up to $4\frac{1}{2}$ " outside diameter.

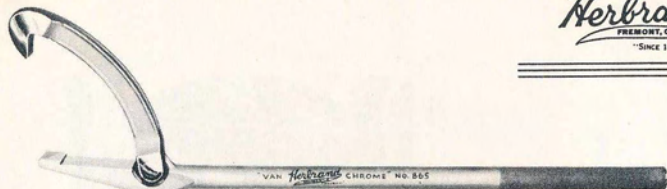
Capacity, bearings up to $4\frac{1}{2}$ " outside diameter. Overall dimensions 8" x 6". Weight 5 lbs. 4 ozs.

LIST PRICE, each\$15.00

No. 871 Bearing Separator is adapted to service large bearings especially on trucks, buses and tractors. This tool removes these costly bearings without damage.

Capacity, bearings up to $5\frac{3}{4}$ " outside diameter. Overall dimensions 10" x $7\frac{1}{2}$ ". Weight 7 lbs. 4 ozs.

LIST PRICE, each\$24.00



Van-Chrome Heavy Duty Spanner Wrench No. 865

Self Adjusting Jaw—Capacity 1½"-4½"

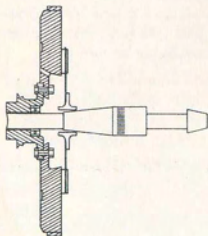
Drop Forged from Chrome Vanadium Steel

An important New Tool that serves a multitude of uses in any automotive repair or industrial shop and is especially vital for truck, tractor or heavy machinery work. Very efficiently removes or tightens spanner or turret nuts, water pump gland nuts, packing nuts on Caterpillar transmissions, exhaust pipe lock nuts, removing grease retainers, adjusting drive shaft bearings on International truck differentials, straightening fender beads and is an outstanding performer for car wrecking work.

Capacity 1½" to 4½". Overall length 21". Weight 2 lbs. 10 ozs. Finished in Satin nickel.

LIST PRICE, each\$4.55

The super-power of this "new idea" Adjustable Hook Spanner Wrench defies the toughest nut turning or pulling job, especially on large diameters. The flexible capacity and automatic adjusting feature of the hook jaw instantly grip any spanner or turret nut with a pulling force that makes them "come" with a minimum of effort. Designed with the utmost simplicity and sturdily constructed, it is drop forged from special Chrome Vanadium Steel and heat treated to resist the abuse of heavy duty service. The long leverage bar exerts an irresistible power and the correctly angled hook jaw takes hold of the work with a grip that eliminates all hazards of slipping.



"Van-Chrome" Clutch Aligning Tool No. 847

A Double End Tool—For Large and Small Pilot Bearings

Chrome Molybdenum Steel

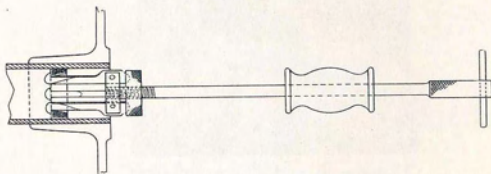
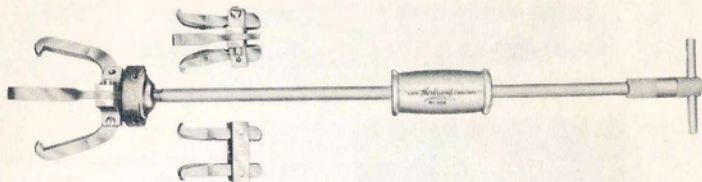
Use the small end of tool and long end of sliding cone for Terra-plane and Hudson. Use the large end of rod and long end of cone for Chevrolet, Plymouth and Pontiac. For Ford use large end of rod and short taper of cone.

Length 12". Weight 2 lbs. 8 ozs. Satin nickel. 6 to the box.

LIST PRICE, each\$4.55

Disc clutches must be centralized with the fly wheel so that the clutch shaft will enter the pilot bearing.

After placing clutch in position on the flywheel push the spindle of the tool through the clutch with the tapered end entering the pilot bearing. Hold in horizontal position and slide the tapered cone forward until it enters the clutch. Withdraw the tool and the clutch shaft and transmission will slide readily into place.



The slide hammer principle with a new application that gives it new speed, tremendous power and greater utility. The drop forged Chrome Vanadium jaws are reversible for both inside and outside pulling and the two sizes provided with the tool are interchangeable.

The threaded adjusting collar is heavily knurled to easily adjust the jaws to any position and lock them against part being pulled.

The three jaws grip the work equally giving a straight, positive pull and the $2\frac{1}{2}$ pound sliding booster hammer delivers a quick, powerful blow that distributes the pull evenly on all sides of the work, eliminating all binding.

The Slide Hammer Assembly also includes a two-jaw cross-arm slotted adaptor which converts it into a two-jaw puller for use on smaller work or where three jaws are impractical. The two jaws get into more confined places and take smaller diameters, both internal and external. The cross-arm can be used with either two short or two long jaws. A few turns of the threaded shaft make the three-jaw and two-jaw cross-arm quickly interchangeable.

Frozen axle or pinion shafts, bearings, bearing cups and cones, gears, collars, bolts, clevis pins, fan hubs, universal joints and numerous other parts—none can resist the powerful pull of this "Van Chrome" Slide Hammer.

"Van-Chrome" Slide Hammer Puller No. 866

The Pulling Tool of Many Uses—Reversible Jaws

Chrome Vanadium Steel

The One Tool that conquers the toughest pulling jobs and has an unlimited range of application. Two sets of drop forged jaws, three $3\frac{1}{2}$ " and three $4\frac{1}{2}$ ", are standard equipment and are easily reversible, and interchangeable, for both inside and outside pulling. These jaws are locked on the work in any desired position by turning down the knurled adjusting collar. A slotted cross-arm adaptor for making a two-arm puller is also included as part of this tool. The cross-handle at the extreme end of the slide bar is constructed for safety and avoids injury to fingers.

All pulling parts are drop forged from Chrome Vanadium Steel of special analysis and carefully heat treated to withstand the severe shocks of constant pounding. The jaws are accurately machined to take a firm grip on the work.

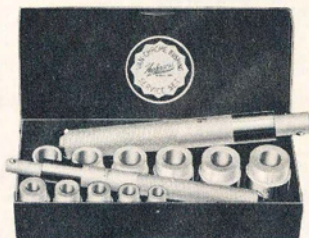
No. 866 Slide Hammer, complete with three $4\frac{1}{2}$ " Jaws, three $3\frac{1}{2}$ " Jaws and Slotted Cross-Arm Adaptor. Capacity 0 to $4\frac{1}{2}$ ".

Satin nickel finish. Length 27". Weight $7\frac{1}{4}$ lbs.

LIST PRICE, complete\$18.50



Handle No. 561



Set No. 570½

"Van-Chrome" Bushings Service Tools

A Size for Every Need—Chrome Vanadium Steel

Small ⅜" Service Step Collars

Catalog Number	Inside Diam. Bushing	Outside Diam. Bushing	Height Overall	Weight Ea. Ozs.	List Price Each
552	1/2	5/8	1	2	\$.40
553	5/16	11/16	1	2	.40
554	3/8	13/16	1	3	.40
555	11/16	13/8	1	3	.45
556	3/4	7/8	1	3	.45
*557	23/32	27/32	1	3	.45

*For Chevrolet King Pins

No. 551 Driving Handle ⅝" service for above Step Collars. Length 7".

LIST PRICE, each.....\$1.25

SET No. 550, 1 each of the 5 Collars Nos. 552 to 556 and No. 551 Handle.

LIST PRICE, in fibre box.....\$3.35

Standard ⅝" Service Step Collars

562	13/16	15/16	1	3	\$.60
563	1 1/8	1 1/4	1	3 1/2	.60
564	1 1/4	1 3/4	1	4	.60
565	1 1/2	1 7/8	1	4 1/2	.70
566	1 5/8	2	1	5	.70
567	1 3/4	2 1/4	1	5 1/4	.70

No. 561 Driving Handle ⅝" service for above Step Collars. Length 7".

LIST PRICE, each.....\$1.50

SET No. 560, 1 each of the 6 Collars Nos. 562 to 567 and No. 561 Handle.

LIST PRICE, in fibre box.....\$5.40

SET No. 570 and 570½, an assortment of 11 Collars Nos. 552 to 556 and 562 to 567 and 2 Handles Nos. 551 and 561.

LIST PRICE, No. 570, complete in fibre box.....\$8.75

LIST PRICE, No. 570½, complete in metal box.....9.45

Out with the old—in with the new! It's simple to remove old bushings and install new ones in record time, without damage, when you use these efficiently designed Bushing Service Tools.

The new thin bushings used so extensively on modern cars are difficult to remove without the proper tools. Twelve interchangeable Step Collars and two Driving Handles cover a complete range of sizes for the large variety of bushings encountered on present day cars and motors.

The six small size Collars and ⅝" service Driving Handle cover a range from 1/2" to 3/4" inside diameter. The six standard Collars to fit the ⅝" service Driving Handle vary from 13/16" to 1 1/8" inside diameter. Included in these sets is a size for nearly every bushing found on generators, starters, distributors, transmissions, pistons, connecting rods, tie rods, spindles, king pins, springs, steering gears, pumps.

All parts are made from Chrome Vanadium Steel and expertly heat treated. Collars are accurately machined to insure a perfect fit and are held securely in place on the Driving Handle by a spring compression ball. The handles are deeply knurled.

Finished in triple satin nickel with polished heads.



Handle No. 581

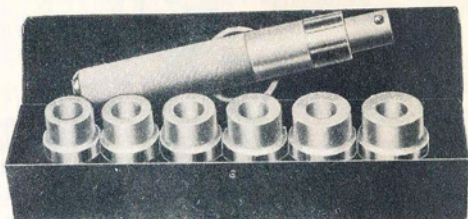
The efficiency of the well known Herbrand Bushing Service Tools has made them so popular that mechanics demanded a Heavy Duty Set for work on trucks, buses, tractors and large motors. The wide variety and frequent replacements of all kinds of bushings requires these specially designed Driving Handles and accurately sized Step Collars to push out the old and install the new bushings without damage.

The Heavy Duty Set No. 580½ completes the full range of sizes necessary for all cars, trucks, buses, tractors and electric motors. The ¾" service connection of the knurled Drive Handle is equipped with a ball and spring lock-on to securely hold the six Step Collars which range in size from 1 3/16" to 1 1/2" inside diameters and 1 7/16" to 1 3/4" outside diameter.

The Collars are perfectly machined to fit the numerous bushings found in connecting rods, water pumps, king pins, steering sectors, tie rods, spindles, pistons, transmissions or any other bushings in common use.

Chrome Vanadium Steel precisely machined and expertly heat-treated produces a quality and accuracy of fit that makes these tools dependable and efficient over a long period of time.

Finished in triple satin nickel with polished ends.



Set No. 580½

"Van-Chrome" Heavy Duty Bushing Service Tools

For Trucks, Buses, Tractors and Large Motors

Chrome Vanadium Steel

Heavy Duty ¾" Service Step Collars

Catalog Number	Inside Diameter Bushing	Outside Diameter Bushing	Height Overall	Weight Ea. Ozs	List Price Each
582	1 3/16	1 3/8	1 1/8	4 1/2	\$.75
583	1 1/4	1 1/2	1 1/8	5	.75
584	1 3/8	1 5/8	1 1/8	5 1/2	.75
585	1 3/8	1 3/4	1 1/8	6	.85
586	1 7/16	1 11/16	1 1/8	7	.85
587	1 1/2	1 3/4	1 1/8	7 1/2	.85

No. 581 Driving Handle ¾" service for above Step Collars. Length 8 1/8". Weight 2 lbs.

LIST PRICE, each.....\$2.00

SET Nos. 580 and 580½, an assortment of 6 Collars Nos. 582 to 587 and No. 581 Handle.

LIST PRICE, No. 580, in fibre box. Weight 4 lbs. 4 ozs.....\$6.80

LIST PRICE, No. 580½, in metal box. Weight 5 lbs. 7 ozs.....7.50

Complete Full Range Set—Light, Standard and Heavy Duty

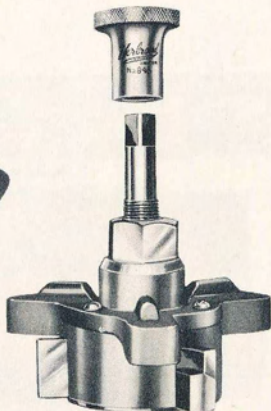
SET Nos. 590 and 590½, a complete assortment of 5 Step Collars Nos. 552 to 556 and Driving Handle No. 551; 6 Collars Nos. 562 to 567 and Driving Handle No. 561; 6 Collars Nos. 582 to 587 and Driving Handle No. 581. Weight 12 lbs.

LIST PRICE, No. 590, complete in fibre box.....\$15.55

LIST PRICE, No. 590½, complete in metal box.....16.45



Patent Applied For



Universal Cylinder Wall Ridge Reamer No. 846

Expanding Cutters - Range $2\frac{1}{16}"$ to $4\frac{7}{8}"$

Latest Improved Design

To operate: Insert tool in cylinder bore with rest plate on motor block. Remove knob and turn square adjusting screw until cutters lightly engage the unworn ridge. To prevent chattering and for a perfect job only light cuts should be taken and the tool must not be turned backwards. To insert cutters: remove bottom plate. To interchange rest plates: remove three machine screws on top.

No. 846 Set, complete as illustrated consisting of the Ridge Reamer, two sizes of Rest Plates, two sets of Cutters and knurled Operating Knob. Capacity $2\frac{1}{16}"$ to $4\frac{7}{8}"$. Weight 4 lbs. 10 ozs.

LIST PRICE, complete.....\$12.75

No. 846S, Ridge Reamer with Short Cutters, Small Rest Plate and Operating Knob. Cutting range $2\frac{1}{16}"$ to $3\frac{3}{4}"$. Weight 3 lbs.

LIST PRICE, complete.....9.00

No. 846L, Ridge Reamer with Long Cutters, Large Rest Plate and Operating Knob. Cutting range $3\frac{3}{4}"$ to $4\frac{7}{8}"$. Weight 3 lbs. 10 ozs.

LIST PRICE, complete.....9.50

No. 846SP, Small Rest Plate.

LIST PRICE, each.....1.00

No. 846LP, Large Rest Plate.

LIST PRICE, each.....1.00

No. 846SC, Short Cutters.

LIST PRICE, per set of three.....3.30

No. 846LC, Long Cutters.

LIST PRICE, per set of three.....3.30

At last — a Ridge Reamer with a capacity for most passenger cars and many trucks. Removes the ridge or unworn part at top of cylinder walls on any bore to $4\frac{7}{8}"$.

The three expanding high speed cutters have guides at the bottom which prevent removing too much metal. The guides follow the contour of the cylinder wall and automatically stop cutting as soon as the ridge is entirely removed.

The three cutters rotate simultaneously producing a cutting speed that removes the ridge in a minimum of time leaving a cylinder wall that is smooth and uniform. The triple action of these cutters reduces the time and labor more than one third over the conventional type.

No. 846 Universal Ridge Reamer is available with two sizes of interchangeable cylinder head rest plates and two sets of adjustable cutters. No. 846LP large rest plate and 846LC long cutters for cars where the cylinder bore does not exceed $4\frac{7}{8}"$; No. 846SP small rest plate and 846SC short cutters for the minimum bore of $2\frac{1}{16}"$.

In cars where the bore does not exceed $3\frac{3}{4}"$ the small rest plate is used with the short set of cutters.

On cars with recessed heads or where the cylinder head studs are set close to the bore, remove the rest plate and select the correct size cutters. Set the tool on top of the piston raising it to the proper height so that the cutters will engage the ridge.

Four Ridge Reamers for removing the unworn part or ridge at the top of cylinder walls. Simple and easy to use, they do this difficult job accurately and efficiently in a few minutes' time without scratching or scoring. The three expanding cutters have guides at the bottom which prevent removing too much metal.

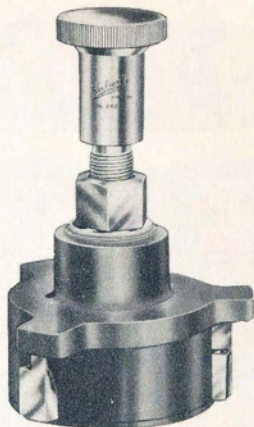
The salient feature of these tools is that the cutters are so designed that they automatically stop cutting as soon as the ridge is entirely removed. The guides follow the cylinder walls and the cutters remove metal only where necessary to conform to the cylinder contour.

The cutters are made from a special analysis Tool Steel and the entire tool is built for long life and lasting service. Light in weight yet remarkably effective for doing this difficult job with minimum effort.

Available in four sizes with a complete range of service operating efficiently on $2\frac{3}{16}$ " to 5" inside cylinder diameters.

Whenever motors are reconditioned Ridge Reamers are an absolute necessity because much grief and expense is likely to be encountered if the ridge at the top of the ring travel is not accurately removed before installing new rings.

The cost is moderate and no mechanic can afford to be without them.



Patent Applied For

Cylinder Wall Ridge Reamers

Three Expanding Types—Range $2\frac{3}{16}$ " to 5"

Indispensable for Motor Reconditioning

To adjust cutters: remove knob at the top and turn the square adjusting screw to the right. The knurled knob provides a novel means of supplying proper pressure to hold the tool firmly in place and prevent chattering. Turning the tool backwards and taking heavy cuts should be avoided. Available in four sizes:

No. 839, capacity $2\frac{3}{16}$ " to $2\frac{1}{2}$ ". For Ford V8-60, Foreign makes and all small bore diameters. Weight $2\frac{1}{2}$ lbs. Height $5\frac{1}{2}$ ".

LIST PRICE, each.....\$ 8.25

No. 842, capacity $2\frac{1}{2}$ " to $3\frac{5}{8}$ ". Weight 3 lbs. Height $5\frac{1}{2}$ ".

LIST PRICE, each.....9.00

No. 840, capacity $2\frac{1}{2}$ " to 4". Weight 3 lbs. 6 ozs. Height $5\frac{1}{2}$ ".

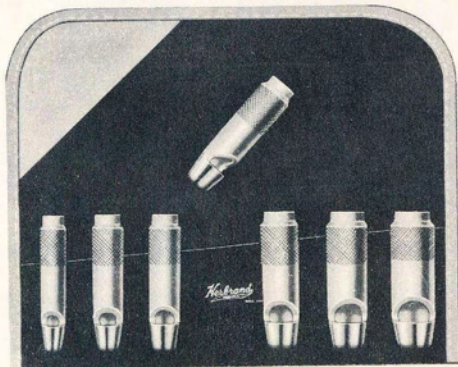
LIST PRICE, each.....9.00

No. 844, capacity $3\frac{1}{16}$ " to 5". Weight 4 lbs. 12 ozs. Height $5\frac{1}{2}$ ".

LIST PRICE, each.....10.00

No. 845, Set of 3 Extra Cutters. Specify size.

LIST PRICE, per set.....3.30



Set No. 770

"Van-Chrome" Gasket Cutting Punches

For Cutting Gaskets, Shims, Templates, Etc.

Chrome Vanadium Steel

When gaskets, shims or templates must be cut on the job, the newly designed Herbrand Gasket Punches will be found invaluable and economical from a time-saving standpoint. They cut perfectly and equally well on sheet packing, rubber, lead, brass, copper, leather and other materials. Mechanics and engineers in garages, oil refineries, power stations, steamships and industrial plants cannot afford to be without them especially when an emergency requires the immediate replacement of gaskets. These hollow center Cutting Punches are forged from the finest Chrome Vanadium Steel, machined to accurate sizes and the cutting edges are carefully ground and honed. A special heat treating and tempering process gives them extra toughness and a clean cutting quality that delivers a perfect job.

The handles are deeply knurled for a steady hand-hold and full control of the cutting. Smoothly ground and attractively triple plated all over in satin nickel with heads polished bright.

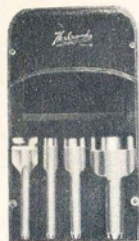
Available in the seven different sizes as listed or obtainable in the complete set for cutting perfect circles in all the required sizes from $\frac{1}{4}$ " to $\frac{3}{8}$ " inclusive.

Punch Number	Cutting Size Diameter	Length	Weight per Doz.		List Price Each
			Lbs.	Ozs.	
771	$\frac{1}{4}$	$2\frac{3}{8}$	1	8	\$1.00
772	$\frac{5}{16}$	$2\frac{3}{8}$	2	4	1.05
773	$\frac{3}{8}$	$2\frac{3}{8}$	2	4	1.05
774	$\frac{7}{16}$	$2\frac{3}{8}$	3	..	1.10
775	$\frac{1}{2}$	$2\frac{3}{8}$	3	..	1.20
776	$\frac{5}{8}$	$2\frac{3}{8}$	3	..	1.20
777	$\frac{3}{4}$	$2\frac{3}{8}$	3	12	1.20

SET No. 770, comprising one each of the seven above Cutting Punches. Weight 1 lb. 8 ozs.

LIST PRICE, in fibre box.....\$7.70

LIST PRICE, in leatherette case.....8.30

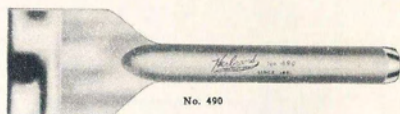


Set No. C-4

Primarily designed for mat cutting, these tools have many other daily applications in the garage and repair shop. They will be found extremely useful for general cutting of cork, felt, washers, composition, packing, gasket material, linoleum and similar materials.

The sharp, beveled cutting edges are constructed to cut perfect circles from $1\frac{1}{16}$ " to $2\frac{3}{8}$ " in diameter. A straight edged cutting tool is also included for cutting square corners, edges and slits. The use of these tools eliminates the hazard of tearing materials and makes the job neater, easier and faster, insuring a perfect fit around steering columns, pedals, shifting levers and the like.

Can be purchased individually or in a complete set of four which includes a tough composition cutting block $5\frac{1}{4}$ " square. These Cutting Tools are heat treated and tempered in perfectly timed electrically controlled furnaces, smoothly ground all over, triple nickel plated in satin finish with heads and faces polished to a high lustre. The heads are beveled and designed not to mushroom or split.



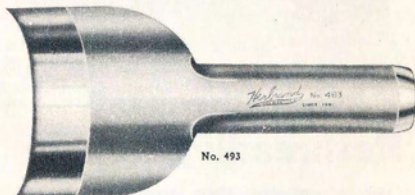
No. 490



No. 491



No. 492



No. 493

"Van-Chrome" Mat Cutting Tools

A Size and Style for Every Purpose

Drop Forged from Chrome Vanadium Steel

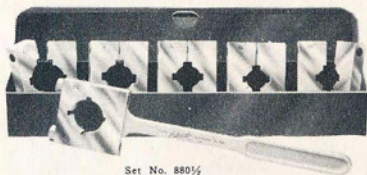
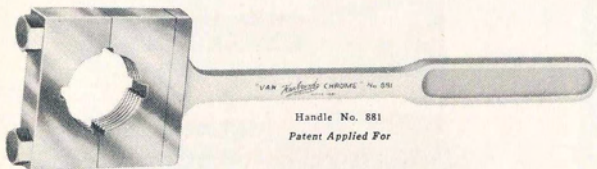
Tool No.	Type Edge	Cutting Size Inches	Length	Weight Per Doz. Lbs.	Ozs.	List Price Each
490	Straight	$1\frac{3}{16}$ wide	$5\frac{1}{4}$	3	12	\$1.10
491	Arc	$1\frac{3}{16}$ diam.	$5\frac{1}{4}$	3	12	1.30
492	Arc	$1\frac{3}{16}$ diam.	$5\frac{1}{4}$	3	12	1.50
493	Arc	$2\frac{3}{8}$ diam.	$5\frac{1}{4}$	9	12	1.70
494	Solid Composition cutting block	$5\frac{1}{4}$		..	..	.40

Packed six to the box

SET No. C-4 contains one each of the four Mat Cutting Tools listed, also a solid composition cutting block. Weight 2 lbs.

LIST PRICE, in fibre box.....\$5.60

LIST PRICE, in pocket leatherette case..... 6.20



"Van-Chrome" Rethreading Tools

Interchangeable Unit Dies—10 Sizes

Drop Forged From Chrome Vanadium Steel

Catalog Number	Size of Die	Threads to Inch	Weight Ozs.	List Price Each
882	5/8	18 SAE	9 1/2	\$1.65
883	3/4	16 SAE	9	1.65
884	7/8	14 SAE	9	1.65
885	1	14 SAE	8 1/2	1.90
886	1 1/8	12 SAE	8	1.90
887	1 1/4	12 SAE	7 1/2	1.90
*888	3/4	20 Spec.	9	1.65
†889	1 1/16	16 Spec.	9	1.65
‡890	1 1/8	18 Spec.	9	1.65
§891	1 1/4	7 USS	7 1/2	1.90

*Terraplane

†Chevrolet-late 1932

‡Hudson-Essex

§International Truck

No. 881 Handle only, Length 10 1/4". Weight 9 ozs.

LIST PRICE, complete with bolts, each \$ 1.10

SET No. 880 includes Handle No. 881 and 6 Interchangeable Dies Nos. 882, 883, 884, 885, 886, 887 listed above. Weight 3 lbs. 12 ozs.

LIST PRICE, complete in fibre box 11.75

SET No. 880 1/2 same as set 880. Weight 4 lbs. 12 ozs.

LIST PRICE, complete in metal box 12.45

Another Herbrand contribution to the economy and efficiency of mechanics. A separate drop forged Handle in which any size Rethreading Die may be quickly inserted. The most practical idea yet evolved for a Rethreading Tool. Old type rethreaders with several dies permanently cut in one tool are wasteful and costly. The sizes most frequently used cannot be replaced when worn or damaged without buying an entire new and expensive outfit and the mechanic is obliged to pay for sizes for which there is a limited use.

The "Van-Chrome" Rethreader is the most modern for straightening and restoring battered or deformed threads which have become damaged through pounding or cross threading on axle shafts, cam shafts, transmission and drive shafts, bolts and studs.

The Handle is drop forged from Chrome Vanadium Steel, light in weight for speed and ease of handling. The simple removal of two bolts permits the insertion of the proper size die.

The die should be placed on the shaft back of the damaged threads and backed off, making two or three passes—tightening the die slightly each time. The final pass should be made with the bolts securely tightened, which will size threads perfectly.



"Van-Chrome" No. 897 Thread Restoring Tool

**Eight Different Pitches for Inside and
Outside Threads**

High Speed Tool Steel Cutters

Eight different pitches for both inside and outside threads—all in ONE tool. Battered, deformed and mutilated threads are quickly restored with this Modern Thread Chaser to readily engage threads and make nuts turn on easily. The heads are interchangeable so that any inside or outside thread may be accurately restored.

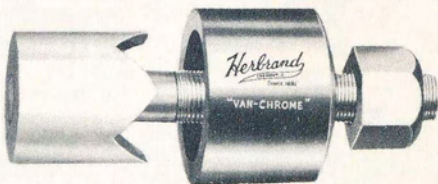
This distinctive Herbrand Tool is particularly useful on big diameters like wheel hubs, bearing cages, differential carriers, axle housings and other large threads.

When the die head is used parallel to the handle it is an inside chaser; when used at right angles to the handle it is an outside chaser. With a steady rest it works to advantage on a lathe.

The two four-edged dies carry accurately machined pitches of 8, 10, 12, 14, 16, 18, 20 and 24 which are easily and quickly interchanged or reversed on the drop forged handle by the simple removal of the holding screw.

Finished in satin nickel. Length 8 1/4". Weight 6 ozs. 6 to the box.

LIST PRICE, each\$5.50



"Van-Chrome" Dash Cutters

Fast - Long Life - Clean Cutting

Chrome Alloy Steel

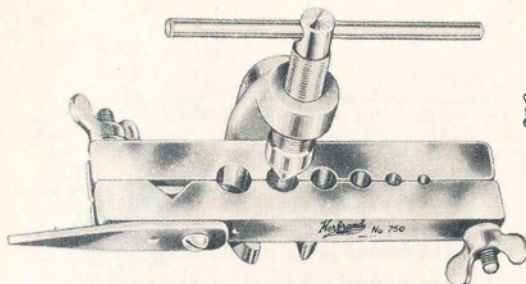
When cutting holes in metal dash for installing radios, water heaters, and dash panel equipment this cutter has no equal. It works on the punch and die principle and does not revolve. The forcing screw pulls the punch into the close fitting die leaving a perfect, smooth, round hole. Extremely speedy in action, its simple operation and construction gives it unlimited life.

To operate: Drill half inch hole in dash; insert cutter on inside; slip die over bolt and tighten nut.

Finished in satin nickel and heat treated for endurance. Length 4 1/2". Weight 1 lb. 3 ozs.

Made in two sizes: No. 898 cuts 1" hole; No. 899 cuts 1 1/4" hole.

LIST PRICE, each\$3.10



Combination Tube Cutter and Flaring Tool No. 750

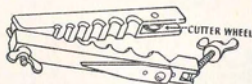
Range from $\frac{3}{16}$ " to $\frac{1}{2}$ "

Three Tools in One

To get a perfect flare: tighten tubing in the proper size opening, turn up lock nut and screw down T handle. To operate cut off: tighten tubing in the vise jaws and revolve tool. Finished in satin nickel with polished face.

No. 750. Capacity $\frac{3}{16}$ " to $\frac{1}{2}$ ". Length $5\frac{1}{2}$ ". Weight 1 lb. 10 ozs.

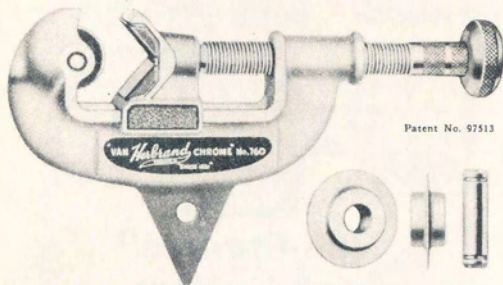
LIST PRICE, complete.....\$6.50



Six flaring dies are included in this tool to give all popular sizes of tubing the accurate flare and taper that insures a perfect, tight joint. It conserves labor and time and does a speedy job without the aid of loose dies or vise.

The cutter wheel is made from exceptionally strong steel with a keen, thin cutting edge. It easily cuts all sizes of tubing from $\frac{3}{16}$ " to $\frac{1}{2}$ " without flattening or distorting the tubing and eliminates the possibility of filings or grit dropping into the feed lines.

The V shaped section, which is adjustable, acts as a tube reamer.



Patent No. 97513

Tube Cutter No. 760

Capacity $\frac{1}{8}$ " to 1"

Self Centering Feature

The razor-edge wheel cuts brass, bronze, copper or similar tubing through the entire thickness without internal or external burr.

No. 760, Length $5\frac{1}{2}$ ". Weight $6\frac{1}{2}$ ozs. 6 to the box.

LIST PRICE, each.....\$2.90

Extra Cutter Wheels for Nos. 750 or 760. Specify number.

LIST PRICE, each......50

A few simple turns of this perfectly balanced, light, strong tool and you have a smooth, clean cut with practically no burr.

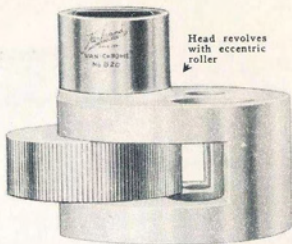
The V-shaped twin-piece jaw and cutting wheel are always accurately held on the center of the tubing so that when the knurled adjusting screw is turned up the tool automatically moves in a straight line, insuring only precision, right angle cuts. This eliminates all possibility of distortion of tubing, ragged edges or off-center cuts.

The cutter wheel is made from a special analysis tool steel and has the ability to hold its keen cutting edge indefinitely. The replaceable cutter wheel is held in place with pin and clip springs.

Stubborn, hard to budge studs quickly respond to the unflinching power of the Herbrand Stud Removing Tool. New — modern — improved and scientifically engineered to take a positive biting grip on studs and remove them with little effort, without the hazard of slipping. Close to the dash rear studs are easy because it is compact and ingeniously designed for the tough jobs which other removers cannot handle.

Another outstanding characteristic is the increased capacity providing for a range of stud sizes from $\frac{1}{4}$ " up to $\frac{3}{4}$ " inclusive. The self-adjusting, eccentric roller forms a wedging action against the stud and has deep, precision cut teeth which no stud can resist.

Still another salient factor is the driving stud on top of the tool. This carries a $\frac{1}{2}$ " square drive service connection for use with any ratchet handle, flex handle, or standard socket unit.



"Van-Chrome" No. 820 Stud Setter and Extractor

Ratchet Action—Capacity $\frac{1}{4}$ " to $\frac{3}{4}$ "

Made from Chrome Alloy Steel

This compact tool handles all studs from $\frac{1}{4}$ " to $\frac{3}{4}$ ", covering a range of service including all passenger cars and practically all trucks. Improved engineering and the use of super-quality steel eliminate bulk and clumsiness, permitting it to engage and remove studs which are inaccessible to other tools. It operates on the gear principle for gripping, develops tremendous power, cannot slip and will not lock on the job.

Satin nickel. Height 2". Weight 15 ozs. 4 to the box.

LIST PRICE, each.....\$3.25



Herbrand Tube Benders

Made in 5 Sizes

For Tubing from $\frac{1}{4}$ " to $\frac{1}{2}$ "

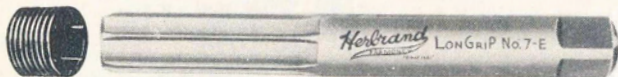
Copper tubing cannot be bent without kinking unless the Tube Bender is used. These simple yet practical Benders do a perfect job and eliminate all possibility of distorting. They are extremely essential in any garage.

They bend the tubing by hand to any desired shape without collapsing the tubing. Satin finish.

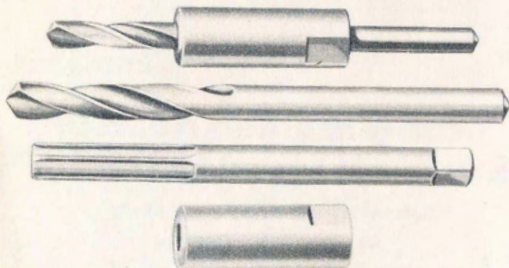
Number	Size	Length	Wt. per Doz.	List Each
752	$\frac{1}{4}$	7 $\frac{1}{2}$	1 lb. 14 ozs.	\$.40
753	$\frac{3}{16}$	7 $\frac{1}{2}$	2 lbs. 3 ozs.	.40
754	$\frac{1}{2}$	7 $\frac{1}{2}$	2 lbs. 8 ozs.	.45
755	$\frac{3}{8}$	7 $\frac{1}{2}$	3 lbs. 2 ozs.	.45
756	$\frac{1}{2}$	7 $\frac{1}{2}$	3 lbs. 12 ozs.	.50

SET No. 757, containing one each of 5 Benders.

LIST PRICE, complete.....\$2.20



Patented



"Van-Chrome" LongGrip Screw and Stud Extractors

Straight Flutes—No Taper

***A New, Positive Method of Screw Extraction Saves Dismantling,
Shutdowns and Costly Delays***

Revolutionizing old methods of screw and stud extraction these New Longrips obsolete the old tapered type. They are the *only* Straight Fluted Extractors made and the *only* type that positively engage broken threaded ends their entire length. When inserted they key themselves into the shell, work like an internal socket wrench and cannot turn into, or out of, the broken ends. There is no damaging of costly parts or threads, no wedging, no reaming or shell spreading and no failures. The Longrip straight fluted principle eliminates all guess work and hazards because guides are used for accurate centering at depths. Drill clear through a broken off screw, bolt or stud end, drive in a LongGrip Straight Fluted Extractor and turn it out easily and safely.

These Straight Fluted Extractors provide the only safe and efficient means of removing broken threaded ends of studs and screws that are deep below the surface and positively eliminate dismantling motors, machinery or parts to expose stud ends.

The use of Longrips nullifies all the costly delays and shutdowns, damage to costly parts and the time consuming aggravation of unsuccessful performance. Every mechanic, maintenance shop and factory can be equipped with "Van-Chrome" Longrip Straight Fluted full range Extractor Sets because the cost is small and a single use will pay for them in time and labor saved.

A complete listing of the essential Guides, Drills, Extractors and Sets appears on pages 45 to 47

The Three Steps In Depth Extracting



1. Drill Guides are Essential for Precision, Centering and Drilling the Broken End.



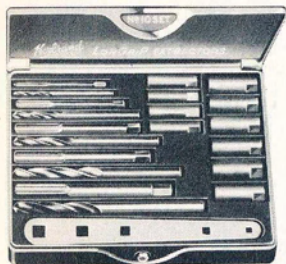
2. Enlarging the Lead Hole to a Thin Shell to Receive the Straight Fluted Extractor.



3. Turning Out Thin Wall Shell with Extractor, Showing Sure, Positive Grip. No Damage to Parts or Threaded Sections.

SET No. XX-10 is a popular assortment of standard length Extractors, Drills and Guides for $\frac{1}{4}$ " to $\frac{1}{2}$ " screws or studs, suitable for depth extraction up to 1". Contents: 1 each of 5 Extractors, Nos. 1E to 5E inclusive; 1 each of 5 Special Drills, Nos. 1D to 5D inclusive; 1 each of 10 Drill Guides and an Extractor Wrench. Total of 21 pieces fitted in a die cast metal box. Weight $\frac{3}{4}$ lbs.

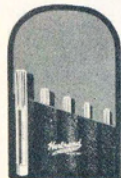
LIST PRICE, complete.....\$10.85



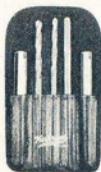
Set No. XX-10



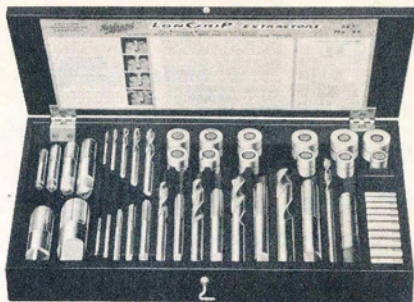
Sets Nos. X-1 to X-7



Sets XX-3, XX-5



Sets X-38 to X-78



Set No. XX-25

Screw Extractor Sets

Standard and Extra Long for Depth Extraction

Complete Assemblies and Individual Sets

SET No. XX-25, a combination assortment for general factory and automotive use. Range of $\frac{3}{16}$ " to 1" screws or stud ends, and $\frac{1}{8}$ " to 1" pipe threaded ends, and depth extraction from 1" to 3". Contents: 1 each of 9 Screw Extractors Nos. 0E to 8E inclusive; 6 Pipe Extractors Nos. 80P to 85P inclusive; 9 Special Drills Nos. 0D to 8D inclusive; and a complete set of Drill Guides and Bushings. A total of 65 pieces. Packed in a substantial wood box with fitted compartments. Weight 8 lbs. 7 ozs.

LIST PRICE, complete.....\$41.00

Standard Length Sets, Nos. X-1 to X-7, for Depths up to 2"

*Sets X-1 to X-5 for extractions up to 1' depth
 Sets X-6 and X-7 up to 2' depth*

Each set contains 1 Extractor, 1 Centering Drill, Enlarging Drill and 2 Drill guides (except Set No. X-5 which has 4 Drill Guides) in pocket leatherette cases.

SET No. X-1, for $\frac{1}{4}$ " screw.	LIST PRICE.....	\$1.60
SET No. X-2, for $\frac{9}{16}$ " screw.	LIST PRICE.....	2.05
SET No. X-3, for $\frac{3}{8}$ " screw.	LIST PRICE.....	2.30
SET No. X-4, for $\frac{1}{2}$ " screw.	LIST PRICE.....	2.55
SET No. X-5, for $\frac{1}{2}$ " & $\frac{9}{16}$ " screws.	LIST PRICE.....	3.55
SET No. X-6, for $\frac{3}{4}$ " screw.	LIST PRICE.....	3.80
SET No. X-7, for $\frac{3}{4}$ " screw.	LIST PRICE.....	4.80

Extra Length Sets, Nos. X-38 to X-78, for Depths up to $\frac{5}{2}$ "

Each Set contains 1 Extra Long Extractor, Centering Drill, Enlarging Drill and 2 one-piece Drill Guides (except Set X-58 which has 4 Drill Guides) in pocket leatherette cases.

SET No. X-38, for $\frac{3}{8}$ " screw.	LIST PRICE.....	\$5.60
SET No. X-48, for $\frac{7}{16}$ " screw.	LIST PRICE.....	7.85
SET No. X-58, for $\frac{1}{2}$ " & $\frac{9}{16}$ " screws.	LIST PRICE.....	10.30
SET No. X-68, for $\frac{3}{4}$ " screw.	LIST PRICE.....	8.90
SET No. X-78, for $\frac{3}{4}$ " screw.	LIST PRICE.....	10.05

Extractor Assortments

SET No. XX-3, 1 each of Extractors Nos. 3E, 4E and 5E in pocket leatherette case. LIST PRICE, each.....\$2.55

SET No. XX-5, 1 each of Extractors Nos. 1E, 2E, 3E, 4E and 5E in leatherette case. LIST PRICE, each.....\$3.80



"Van-Chrome" LongGrip Screw and Stud Extractors

Standard Length

For Surface and Shallow Depth Extraction up to 2"

Used with standard length Drill Guides and Special "Van-Chrome" Drills, these Straight Fluted Extractors are perfect for surface or shallow depth extractions.

Extractor No.	Screw Diameter	Use Drill	O.D. Flute Diameter	Overall Length	Max. Depth Extraction	List Price Each
000E	1/16 ..	1/32	.035	1 1/2	1	\$.80
00E	3/8 ..	1/16	.069	1 3/4	1	.70
0E	1/2 ..	3/32	.105	2	1	.60
1E	5/16 ..	1/32	.139	2 1/4	1	.65
2E	3/4 ..	1/16	.205	2 3/4	1	.70
3E	7/16 ..	1/8	.272	3 1/4	1	.75
4E	1 ..	3/16	.338	3 3/4	1	.85
5E	1 1/8 & 9/16	1/2	.374	3 3/4	1	1.00
6E	1 1/4 ..	5/8	.471	4 1/8	2	1.15
7E	1 1/2 ..	3/4	.538	4 1/2	2	1.55

When screws and studs break off they invariably leave the end below the surface where they must be drilled out to a thin shell for safe and easy removal. Blind center punching, drilling and the use of obsolete spiral or tapered removers usually result in breakage, failure and costly delays.

Straight Fluted "Van-Chrome" Extractors, used with the companion special Drills and Guides, provide the only simple and sure routine for the centering, drilling and extraction of deep seated screw or stud ends. No screw or stud drilled all the way through to a thin wall shell can resist the rigidly locked-in grip of the six fluted "Van-Chrome" Extractor.



Extra Length Extractors

8" Long

For Surface and Deep Depth Extraction up to 5 1/2"

Only extra length Straight Fluted Extractors used with "Van-Chrome" Special Drills and Centering Guides can be safely used for successful deep depth extraction.

Extractor No.	Screw Diameter	Use Drill	O.D. Flute Diameter	Overall Length	Max. Depth Extraction	List Price Each
38E	3/8 ..	1/4	.272	8	5 1/2	\$1.50
48E	1/2 ..	5/16	.338	8	5 1/2	1.75
58E	3/4 & 1 1/8	11/32	.374	8	5 1/2	2.00
68E	1 ..	3/8	.471	8	5 1/2	2.30
78E	1 1/4 ..	1/2	.538	8	5 1/2	3.15

Each extractor is plainly marked with diameter drill to use. Drill Guides listed on page 47 are recommended for precision centering of broken ends at depths.

Broken stud ends lodged in extra deep holes are no barrier to the new Extra Length "Van-Chrome" Extractors — they are the only Extractors that will reach down and get them without dismantling, damage and loss of time. All the old hazards with obsolete tapered type removers are now positively done away with.

The precision job done by the Longrip principle of drilling broken bolts or screws to a thin shell removes all the internal pressure and takes the fight out of them. "Van-Chrome" Extractors, Centering Guides and Special Drills are provided for each size bolt or screw, eliminating all guess work. These time-saving tools are fully guaranteed, will quickly pay for themselves and prove invaluable.



"Van-Chrome" Special Extractor Drills

These Special Drills are the standard diameters in common use and are related to the drill guides used for centering. The correct sizes required for enlarging the studs to a thin shell are included and listed in the extractor tables. Constructed with short flutes and proper lengths for shallow and deep depth drilling, they will give heavy duty service and reduce breakage to a minimum.

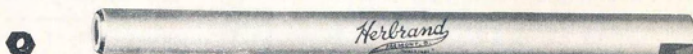
Standard Length

Drill No.	Drill Diam.	Length Overall	List Price Each
000D	$\frac{1}{32}$	$1\frac{1}{2}$	\$.24
00D	$\frac{1}{16}$	$1\frac{3}{4}$	.26
0D	$\frac{3}{32}$	2	.28
1D	$\frac{1}{8}$	$2\frac{1}{2}$	.30
2D	$\frac{5}{32}$	3	.35
3D	$\frac{3}{16}$	$3\frac{1}{2}$	.50
4D	$\frac{7}{16}$	4	.70
5D	$1\frac{1}{32}$	$4\frac{1}{2}$	.80
6D	$\frac{7}{16}$	$4\frac{3}{4}$	1.35
7D	$\frac{1}{2}$	5	1.90

Extra Length

Drill No.	Drill Diam.	Length Overall	List Price Each
38D	$\frac{1}{4}$	8	\$2.00
48D	$\frac{5}{16}$	8	2.10
58D	$\frac{3}{8}$	8	2.25
68D	$\frac{7}{16}$	8	2.60
78D	$\frac{1}{2}$	8	2.90

Each drill is plainly marked showing diameter. They are not intended for general service. All drills are the short shank type.



Centering Drill Guides

Machined to precision accuracy, these Guides fit the drills closely for a short distance from the drilling end; the balance of the opening is sufficiently large to allow ample chip clearance. The proper length Drill Guide must be used; one end must rest on the broken stud in the hole and the other end extend far enough out to hold the Guide securely while centering drill is entering to its full diameter. These Drill Guides are made in a range of diameters and lengths and provide a precision means for center drilling broken ends at shallow or deep depths in holes. Guides are accurately machined and hardened, will last indefinitely.

Standard Length

For Centering Drills up to 1 Inch Depth

No.	O.D. Diam.	I.D. Diam. and Drill Size	List Price Each
921G	$\frac{9}{32}$	$\frac{1}{8}$	\$.30
1021G	$\frac{5}{16}$	$\frac{1}{8}$	.30
1121G	$1\frac{1}{32}$	$\frac{1}{8}$	.30
1221G	$\frac{3}{8}$	$\frac{1}{8}$	.30
1321G	$\frac{13}{32}$	$\frac{3}{16}$	.30
1421G	$\frac{5}{16}$	$\frac{3}{16}$	.30
1521G	$\frac{15}{32}$	$\frac{3}{16}$	.30
1621G	$\frac{17}{32}$	$\frac{3}{16}$	.30
1721G	$\frac{17}{32}$	$\frac{1}{4}$	.30
1821G	$\frac{9}{16}$	$\frac{1}{4}$	.30
1921G	$\frac{19}{32}$	$\frac{1}{4}$	.30
2021G	$\frac{9}{8}$	$\frac{1}{4}$	.30

Standard Length

For Centering Drills up to 2 Inches Depth

No.	O.D. Diam.	I.D. Diam. and Drill Size	List Price Each
2122G	$\frac{21}{32}$	$\frac{1}{4}$	\$.40
2222G	$\frac{11}{16}$	$\frac{1}{4}$	.40
2522G	$\frac{25}{32}$	$\frac{1}{4}$	.40
2622G	$\frac{13}{16}$	$\frac{1}{4}$	.40

Extra Length

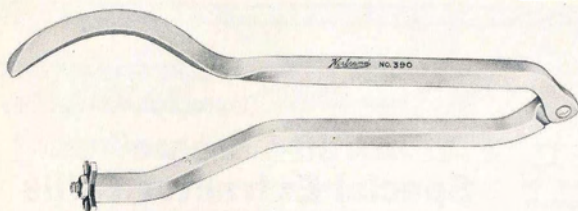
For Centering Drills up to 5 1/4 Inch Depth

No.	O.D. Diam.	I.D. Diam. and Drill Size	List Price Each
1326G	$\frac{13}{32}$	$\frac{1}{4}$	\$1.15
1426G	$\frac{7}{16}$	$\frac{1}{4}$	1.15
1526G	$\frac{15}{32}$	$\frac{1}{4}$	1.15
1626G	$\frac{17}{32}$	$\frac{1}{4}$	1.15
1726G	$\frac{17}{32}$	$\frac{1}{4}$	1.15
1826G	$\frac{9}{16}$	$\frac{1}{4}$	1.15
1926G	$\frac{19}{32}$	$\frac{1}{4}$	1.15
2026G	$\frac{21}{32}$	$\frac{1}{4}$	1.15
2126G	$\frac{11}{16}$	$\frac{1}{4}$	1.15
2226G	$\frac{23}{32}$	$\frac{1}{4}$	1.15
2526G	$\frac{25}{32}$	$\frac{1}{4}$	1.15
2626G	$\frac{13}{16}$	$\frac{1}{4}$	1.15

Nos. 921G to 2021G are 1 3/8" overall length.

Nos. 2122G to 2622G are 2 1/4" overall length.

Nos. 1326G to 2626G are 6" overall length.



Universal Ring Groove Cleaner No. 390

Adjustable to Four Groove Sizes

Insures Perfect Ring Functioning and Avoids Injury to Pistons

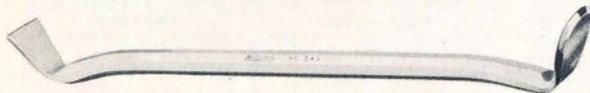
The hardest carbon deposit yields readily to a few simple revolutions of the tool without injuring piston walls or ring grooves. The cleaner wheel is so accurately fitted that it will not round off the edges of the grooves, insuring perfect fitting rings and avoiding lost compression, poor ring functioning and other disorders. Handles are formed for firm pressure on the work.

Size of cutter blades $\frac{3}{32}$ "", $\frac{1}{8}$ "", $\frac{5}{32}$ " and $\frac{3}{16}$ ". Length 10 $\frac{1}{4}$ ". Weight 12 ozs. Satin nickel plated.

LIST PRICE, complete tool, each.....\$1.80

LIST PRICE, extra cutter wheel, each......35

Digging caked carbon and grease out of piston ring grooves becomes positive, quick and simple with this special purpose tool. It does a perfect cleaning job because the rotor or scraping wheel is adjustable to fit all the popular sizes of ring grooves. A turn of the lock nut revolves the cutter to any desired size and exactly fits the grooves without binding. The opposite arm of the cleaner is shaped to engage the grooves and is so braced that the cutter must run true. The flexible joint construction at the end of the handles permits the widest possible opening to fit pistons of large diameter.



"Van Chrome" Carbon Scraper No. 345

Straight and Oval Blades

Forged from Chrome Alloy Tool Steel

Forged from Chrome Alloy Steel. Heat treated and tempered. Finished in satin nickel with brightly polished blades.

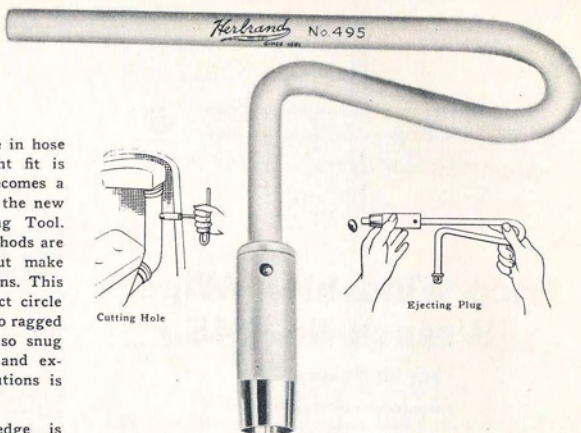
Length 9". Weight 4 ozs. Packed 6 to the box.

LIST PRICE, each.....\$1.20

Designed to reach and get all of the carbon in every part of any motor head, this popular spoon-type carbon scraper is the most versatile of any produced. It has sharp knife-like edges, one straight, the other oval in design with 5/16" octagon handle for firm, comfortable grip.

Cutting a perfect circle in hose connections where tight fit is absolutely necessary becomes a matter of seconds with the new Herbrand Hose Cutting Tool. Obsolete jack knife methods are not only hazardous but make ragged, leaky connections. This tool cuts a clean, perfect circle $\frac{3}{8}$ " in diameter, leaves no ragged edges permitting a fit so snug that leakage of water and expensive anti-freeze solutions is eliminated.

The sharp cutting edge is tapered to minimize pressure required and for ease of cutting. Hose need not be removed to cut perfect hole because the plug of rubber is held firmly inside of the cutter. The specially constructed handle end ejects the plug readily. The Cutting Socket is easily detachable but firmly held in place with a lock-on ball and spring. It has a $\frac{3}{8}$ " square drive for ready use with all Junior Series Handles but we recommend the special T Handle designed for this purpose.



Hose Cutting Tool 495

For Perfect Water Heater Connections

Detachable Cutting Socket

Satin nickel finish. Height 5". Handle width $6\frac{1}{4}$ ". Weight 7 ozs.

No. 495A, Socket Cutting Attachment only.

LIST PRICE, each \$.70

No. 495B, T Handle only.

LIST PRICE, each60

No. 495, Cutting Socket and Handle.

LIST PRICE, complete 1.10



Pump Packing Hook 346

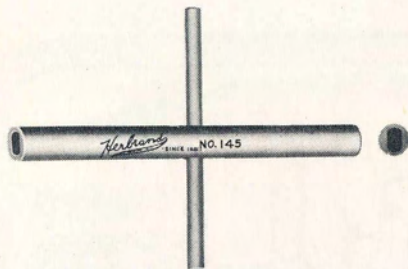
40° and 90° Angle Hooks

Drop Forged from Chrome Vanadium Steel

Heat treated and finished in triple satin nickel. Length 8". Weight 2 ozs. Packed 6 to the box.

LIST PRICE, each \$1.20

Unequalled for removing old packing from all water pumps and inserting new. Conveniently angled for breaking battery seals and has a wide variety of uses.



Trico Windshield Wiper Wrench No. 145

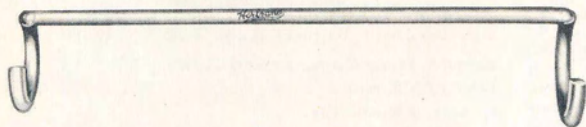
For All Makes of Cars

Forged from Chrome Alloy Steel

Double oval openings. Length $3\frac{3}{4}$ ". Weight 2 ozs. 6 to the box.

LIST PRICE, each.....\$.80

Those delicate adjustments required for servicing wind shield wipers are accurately and easily made with Herbrand's Trico Windshield Wiper Wrench. The elongated socket type openings are hot forged to precision limits for perfect engagements and are sized to service Trico windshield wipers used on all makes of cars. Double plated in satin nickel.



Door Handle Flange Depressor No. 147

A Double End Tool—Fits Most Door Handles

Perfectly Formed from Rigid Steel Wire

Each end has a different size opening making the tool practically universal for all door handle flanges. To operate: slide opening over door handle and depress flange by leaning against opposite end of tool.

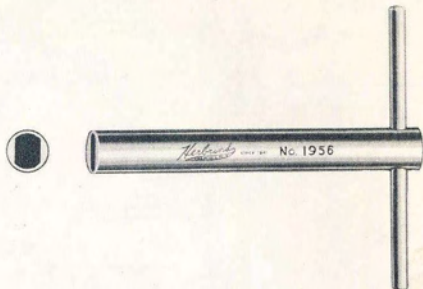
Satin nickel finish. Length $8\frac{1}{2}$ ". Weight 4 ozs. 6 to the box.

LIST PRICE, each.....\$.60

The pins in door handles are covered by a flange with spring tension and are inaccessible and difficult to remove. This simple tool depresses the flange evenly leaving both hands free to knock out the pin. Saves upholstery by keeping it clean and free from tears; does not mar hardware.

For all cars using Stromberg carburetion (except Fords) this tool is absolutely necessary for accurate adjustment. The socket type, oblong opening is hot forged to perfectly fit the carburetor jet adjusting nut. It is thin walled for adequate clearance and has the correct length for the proper reach.

Forged from a special analysis Tool Steel and heat treated to impart dependability. Every mechanic will find frequent use for this tool because it fits nearly all the popular cars of today. Refer to Herbrand No. 1955 for Ford V-8 Carburetor work.



Carburetor Jet Wrench No. 1956

For Stromberg Carburetion—All Cars Except Ford

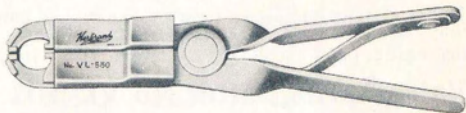
Hot Forged and Heat Treated

Smoothly ground and finished in double satin nickel. Length 3". Handle width 2½". Weight 2 ozs. 6 to the box.

LIST PRICE, each \$.80



Holds and replaces all valve keys and horse-shoe locks regardless of size and shape. The compact steel jaws put the keys into locking position in the tightest places. Ample spring tension and firm sealing eliminate any possibility of locks becoming dislodged and dropping into the crankcase before reaching or being placed in proper position on the valve stem. The plier action perfectly controls the placing of valve keys under all working conditions.



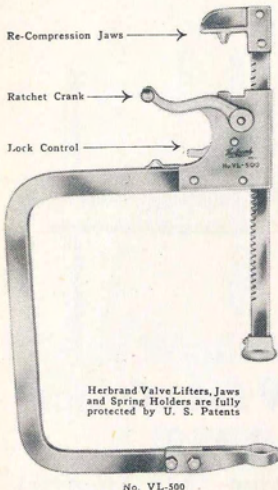
Valve Key Replacer No. VL-530

For All Size Valve Keys

Easy loading feature—draw back the sliding bars and insert split lock or key in the stationary jaws, release the bars against the split lock.

Length 5½". Weight 2 ozs. Satin finish. 6 to the box.

LIST PRICE, each \$1.65



Herbrand Valve Lifters, Jaws and Spring Holders are fully protected by U. S. Patents

Spring compressed in Holder ready for replacement in motor

Three sizes of Spring Holders are available

VL-511 Jaws

VL-512 Jaws

VL-513 Jaws

Herbrand
PREMONT, O.
"SINCE 1881"

More different cars are serviced with this unparalleled, ratchet action, automatic locking Valve Tool than any other type manufactured. Its many exclusive features and refinements make it adaptable to practically all cars and trucks. Simple and easy in application, this one-hand Lifter is speedy and efficient in use and eliminates the aggravation and loss of time always encountered with makeshift tools.

The positive, vertical lift and the patented jaws make it impossible for them to slip off the spring. Exceptionally thin jaws, hardened and tempered from the toughest spring steel are constructed to take any size spring or washer, and insert readily above the washer where other types fail to function.

A special ratcheting device is built into the crank handle for clearance of obstructions and for work in restricted quarters. The automatic lock positively holds the spring at any desired position leaving the operator's hands free to remove the valve keepers.

The action of the tool employs the rack and pinion principle and no adjustments are required either on the top or bottom. Designed to clear the exhaust manifold and other obstructions without necessitating removal.

Another outstanding feature of this Valve Lifter is the top jaw construction making it quick and easy to re-compress springs for replacement in the motor. This self-contained tool saves plenty of time and labor. Equipped with No. VL-513 special offset jaws it is the only tool that handles Chrysler and Waukesha motors without removing the manifold.

Valve Spring Lifter and Compressor No. VL-500

Fits More than 90% of All Cars and Trucks

With Distinctive Re-Compression Feature

Complete with Straight Jaws and set of 3 Spring Holders. Satin finish. Size inside of frame $9\frac{3}{8}" \times 11\frac{1}{8}"$. Weight 5 lbs. 7 ozs.

LIST PRICE, each.....\$10.80

Valve Spring Lifter No. VL-501

Without Re-Compression Jaws

An efficient tool with the same features as VL-500 described and illustrated, but without the re-compression jaws. Weight 5 lbs.

LIST PRICE, complete with Straight Jaws.....\$7.50

Extra Jaws for Herbrand Valve Lifters

Interchangeable with the Straight Jaws for motors with low block clearance.

No. VL-510, Straight Jaws for most cars, also for Cadillac and Lincoln.....\$1.65	No. VL-512, Special Offset Jaws for motors requiring extra offset, and Dodge 6.....\$2.00
No. VL-511, Offset Jaws for G. M. C. and all Continental Motors.....1.65	No. VL-513, Special for Chrysler, Dodge, Plymouth and Waukesha Motors.....2.00

Spring Holders used with Valve Lifters

For holding re-compressed springs for replacement in motor.

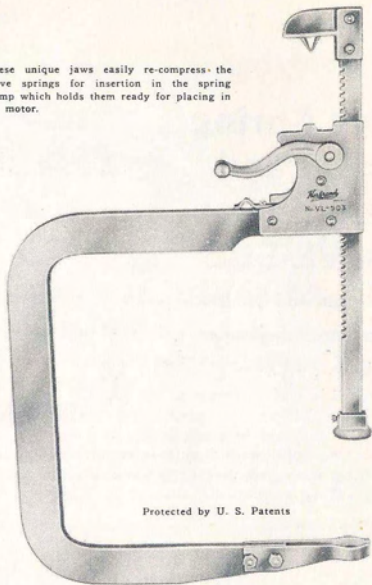
No. VL-521S, Bent Holder, Short.....\$.50	No. VL-520, Set of 3 Spring Holders, 2 bent and 1 blank, complete.....\$2.00
No. VL-521L, Bent Holder, Long......50	
No. VL-522, Unbent Spring Holder......50	
No. VL-514, Special L Attachment and Spring Jaws for Airflow Motors, complete.....\$2.50	

Motors on heavy trucks, buses and tractors require a larger capacity and heavier, more powerful Valve Spring Lifter and Compressor. VL-503 has the same labor saving features as the standard type described on the preceding page but is more ruggedly built with a bigger frame and the extra power for those tough, heavy duty jobs. The C frame design will handle the toughest spring compression work without removing the manifold or other interfering parts.

The convenience of the ratchet handle is readily understood by the mechanic who has encountered difficulties with ordinary lifters. There is a great economy of time because the rack and pinion drive locks automatically at the most practical position for the work and leaves the hands of the mechanic free to remove and catch lock washers. No adjustments are necessary either to the top or bottom.

Thin, cup shaped jaws insert easily above the washer or in any spring coil, and will not bend or break under the extreme pressure required for proper compression. These jaws are precision made from the toughest spring steel, which is hardened and tempered, and they will service any size spring or washer. A few turns of the crank adjusts the plunger to any length, automatically centers on the valve stem and totally eliminates the hazards of slipping off the work regardless of position.

These unique jaws easily re-compress the valve springs for insertion in the spring clamp which holds them ready for placing in the motor.



Protected by U. S. Patents

Heavy Duty Valve Lifter and Compressor No. VL-503

For Large Trucks, Buses and Tractors

With Re-Compression Feature

Every mechanic needs the Herbrand Heavy Duty Valve Spring Lifter and Compressor to save time and efficiently handle the ever increasing service demands on large motors. It not only pays for itself on a few jobs but will return large dividends in a short period of time. The one piece C frame is ruggedly constructed of heavy gauge steel and the entire tool is finished in rust proof satin.

No. VL-503, complete with Straight Jaws and set of three Spring Holders. Size inside of frame 11" x 13". Weight 7 lbs. 8 ozs.

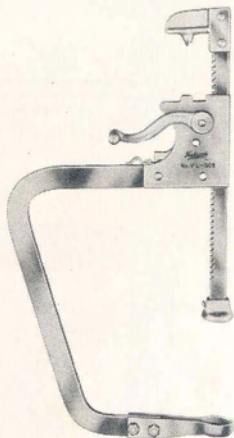
LIST PRICE, each.....\$14.10

Valve Spring Lifter and Compressor No. VL-505

For Lincoln and Cadillac

With Re-Compression Feature

Protected by U. S. Patents

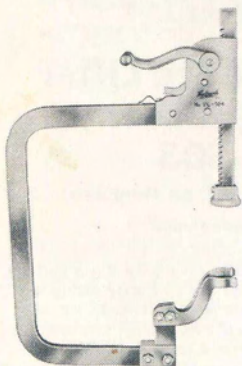


No. VL-505, equipped with distinctive re-compression jaws and a set of three Spring Holders. Satin finish. Size inside of frame $8\frac{3}{8}$ " x 11". Weight 5 lbs.

LIST PRICE, each.....\$12.50

The V frame of this Special Lifter and Compressor is shaped to conform to the contour of the V type motor and is indispensable for valve spring lifting and compression on Lincoln and Cadillac cars. The same labor saving features incorporated in the standard type No. VL-500 are built into this model.

Operated with a pinion and rack action, it is controlled with a ratchet handle that locks securely at the most efficient working position. The combination of these outstanding features, together with the thin jaws make it the best tool for free clearance on V type motors.



Valve Spring Lifter VL-504

**For Chrysler and
DeSoto
Airflow Models**

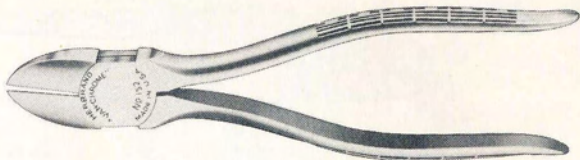
No. VL-504, Satin finish. Size inside of frame $9\frac{3}{8}$ " x $11\frac{1}{4}$ ". Weight 5 lbs. 6 ozs. All Valve Lifters are packed in individual boxes, 6 to the carton.

LIST PRICE, each.....\$10.80

This Lifter is especially designed for valve work on all Chrysler and DeSoto Airflow Models without removing the manifold from the block. Equipped with automatic locking rack and pinion action and operated with a ratchet handle. A special L attachment and offset jaws positively engage at any spring coil and readily compress the spring with the vertical lift of the plunger with no danger of slipping.

Mechanics will appreciate this better designed tool which they must have to adequately meet the growing service demands for these popular models.

Special Ford Valve Lifters and Compressors are listed in the Ford Tool Section, page 139



At last! A real pair of Diagonals. Unequalled for sheer cutting ability. The perfectly aligned cutting blades are hand filed and honed to retain their clean, sharp edges. Precision built with a short fulcrum to provide a powerful leverage with a minimum of hand pressure and equipped with an easy-riding joint. The handles are full fashioned and deeply knurled in a special pattern to provide a comfortable, non-skid grip. The gracefully tapered nose is designed for maximum clearance in confined working quarters.

"Van-Chrome" **Diagonal Cutter No. 152** **Unequalled in Toughness and Cutting Power**

Drop Forged, Heat Treated and Individually Tested

Many special features are incorporated in the design of this Herbrand Diagonal. Individually drop forged from grain controlled Tool Steel of special analysis, hardened and tempered by thorough heat treatment all the way through to impart a toughness and keen cutting power which will give unfailing service. Ground to perfect smoothness and hand polished.

Length $7\frac{1}{2}$ ". Weight 8 ozs. Packed 6 to the box.

LIST PRICE, each.....\$4.00



To take apart and reassemble fenders and running boards, and remove them from frames, usually requires two men because the bolts are rusted and frozen and must be firmly held for turning off the nuts. This special, new Herbrand plier action tool exerts a mighty leverage and the bolt head is held in a vise-like grip by the screw driver joint. The claw end is designed for ample clearance of all obstructions so that a socket wrench can be used for removing the nuts.

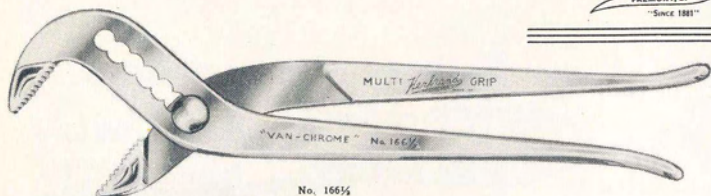
"Van-Chrome" No. 158 **Fender Bolt Plier** **For Holding Bolts on Fenders, Running Boards, Etc.**

Drop Forged from Chrome Vanadium Steel

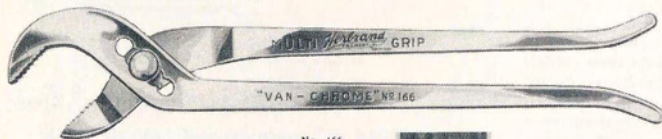
Expert heat treating applied to this drop forged Chrome Vanadium Steel Plier gives the strength and rigidity required. Finished in rust resisting satin nickel plate.

Length 11". Weight 14 ozs. Packed 6 to the box.

LIST PRICE, each.....\$3.30



No. 166 1/2



No. 166

Original "Van-Chrome" Multigrip Pliers



Set No. M-3

For Water Pump and General Service Work

Drop Forged from Chrome Vanadium Steel

No. 166 has 5 slip joints. Range $\frac{3}{8}$ " to $1\frac{1}{8}$ ". Length $9\frac{1}{2}$ ". Wt. 8 ozs.
No. 166-S, Satin nickel with bright head.

LIST PRICE, each.....\$1.80

No. 166-N, Full polished nickel.

LIST PRICE, each.....2.50

No. C-66, Carbon Steel. (Not Chrome Vanadium). Satin finish.

Range $\frac{3}{8}$ " to $1\frac{1}{8}$ ". 5 adjustments. Length 9".

LIST PRICE, each......85

No. 166 1/2, 7 adjustments. Range 0" to 2". Lgth. $9\frac{3}{4}$ ". Wt. 12 ozs.

No. 166 1/2-S, Satin nickel with bright head.

LIST PRICE, each.....\$2.00

No. 166 1/2-N, Full polished nickel.

LIST PRICE, each.....2.70

SET No. M-3, illustrated, one each Nos. 167, 168 and 166 1/2.

LIST PRICE, with satin nickel pliers, complete.....\$4.95

LIST PRICE, with polished nickel pliers, complete.....6.40

Herbrand Multigrip Pliers are made in five sizes and styles. Number 166 was primarily designed to adjust the packing gland nut on any water pump and has created nation wide interest. It serves such an extremely wide variety of important uses that it is recognized as the most versatile plier in the field.

Multigrip, originated by Herbrand, is well known for its lightness, thinness and invincible strength. The hard, machined teeth and unique designed jaws provide a bull dog grip on any size nut within its range. The curved handles fit the natural grip of the hand.

Number 166 1/2 is the latest addition to the famous Multigrip family. It is designed with an increased range of jaw opening which adapts it to a complete range of water pump and general service work. The seven slip joint adjustments and the thin jaws close tightly or open up to 2".

All Multigrips are now fitted with an improved Alloy Steel bolt and nut and the teeth are milled deeper and coarser to provide a better grip on the work and to keep them from wearing.

Herbrand created the Multigrip Plier Family to equip the mechanic completely for a wide range of service. Their thin jaws and unique construction make it easy to reach into inaccessible quarters. The precisely machined teeth and positive bull-dog grip permit either the fine close adjustment or the strong, hard pull. Drop forged from Chrome Vanadium Steel, expertly heat treated for invincible strength. *Herbrand originated these pliers. Be sure to get the genuine.*

Multigrip Junior No. 168

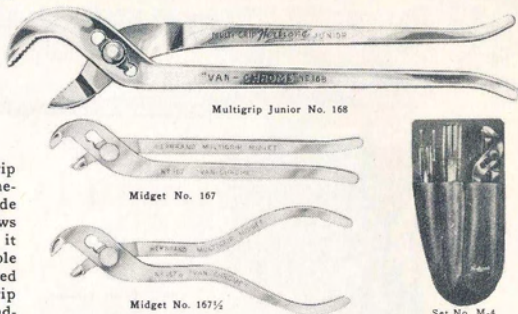
Unmatched as a general utility plier. Made in a convenient $7\frac{1}{2}$ " length, it has the range of jaw opening to fit the popular sizes of S.A.E. nuts. Replaces the conventional type pliers.

Multigrip Midget No. 167

A little giant of capacity and utility. Only $4\frac{1}{2}$ " long, yet strong and thin enough to reach the smallest, most awkwardly placed nuts on motor, distributor, generator, magneto, dash panel, radio, switchboard—in fact all elusive nuts wherever delicate electrical adjustments are necessary. Finger tip control handles for working in cramped spaces.

Multigrip Midget No. 167 $\frac{1}{2}$

Like its companion, it serves a wide range of uses for electrical, ignition and radio work. The handles are fashioned for a full, firm grip providing more leverage where finger tip control is not required.



Original "Van-Chrome" Multigrip Pliers

For General Utility and Electrical Work

Drop Forged from Chrome Vanadium Steel

No. 168, 4 adjustments. Range 0" to $\frac{3}{4}$ ". Lgth. $7\frac{1}{2}$ ". Wt. $4\frac{1}{2}$ ozs.
No. 168-S, Satin nickel with bright head.

LIST PRICE, each \$1.60

No. 168-N Full polished nickel.

LIST PRICE, each 2.10

No. 167, 4 adjustments. Range 0" to $\frac{7}{16}$ ". Lgth. $4\frac{1}{2}$ ". Wt. 2 ozs.
No. 167-S, Satin nickel with bright head.

LIST PRICE, each \$1.35

No. 167-N. Full polished nickel.

LIST PRICE, each 1.60

No. 167 $\frac{1}{2}$, 4 adjustments. Range 0" to $\frac{7}{16}$ ". Lgth. $4\frac{1}{2}$ ". Wt. 2 ozs.
No. 167 $\frac{1}{2}$ -S, Satin nickel with bright head.

LIST PRICE, each \$1.40

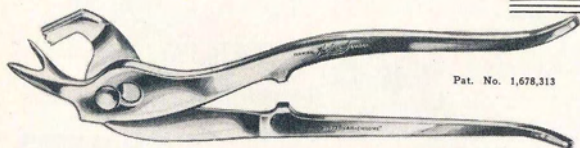
No. 167 $\frac{1}{2}$ -N, Full polished nickel.

LIST PRICE, each 1.65

Service Station Utility Kit No. M-4

This 3 pocket genuine cowhide leather holster carries the No. 168-S Multigrip Plier; No. 310, 2" blade Screw Driver and No. 312, 3" blade Driver—the most necessary tools around any service station. The Screw Drivers have insulated handles. Holster is designed with slits to slip through the operator's belt.

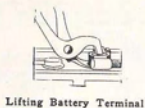
LIST PRICE, complete in leather holster \$4.95



Pat. No. 1,678,313



Set No. B-3



Lifting Battery Terminal



Disassembled for Cleaning



Scraping Terminal Post

"Van-Chrome" Battery Terminal Lifter and Scraper No. 177

Drop Forged from Chrome Vanadium Steel

Length 10½". Weight 13½ ozs. Packed 6 to the box.

No. 177-S, Satin nickel, bright heads.

LIST PRICE, each.....\$2.90

No. 177-N, Hand polished nickel.

LIST PRICE, each.....3.30

Battery Service Set No. B-3

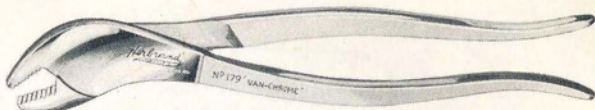
SET No. B-3, one each of Nos. 177-S, 179-S, 276. Wgt. 1 lb. 10 ozs.

LIST PRICE, complete in pocket leatherette roll.....\$5.35

Battery experts acclaim this patented tool as the most efficient for removing terminals and cleaning the connections. Under its powerful leverage, badly frozen or corroded battery terminals snap up easily without marring, cracking, or loosening the plates or injuring the tops of the cells. A special release joint dismembers the plier, providing one section with a serrated nose for cleaning terminals and the other with sharp jaws for scraping posts. The handles are curved for positive non-slip grip. Smoothly ground, double plated and polished all over.

Set No. B-3

The three tools in this kit are recognized by battery experts as the most essential and efficient for practically any type of battery service work. There is an increased demand for these three tools because the batteries in today's motor cars are taxed to the utmost with the addition of many modern electrical necessities, requiring more frequent battery service work. The set comprises the popular patented Battery Terminal Lifter and Scraper No. 177-S, the improved 30° angle No. 179-S Battery Plier with the curved hand fit grip, and the No. 276 Battery and Starter Nut Wrench. Refer to next page for full description of Battery Plier and Starter Nut Wrench.



"Van-Chrome" Battery Plier No. 179

30° Angle Jaws—Handfit Handles

Drop Forged from Chrome Alloy Steel

This outstanding battery plier of original Herbrand design provides more speed, ease and efficiency. The gripping jaws are serrated to take positive hold of battery terminal nuts even though badly corroded or mutilated. The special 30° angle heads make all terminal nuts easily accessible regardless of position of the battery. The nose is tapered both sides to clear filler caps. Greater leverage and comfort to the user are supplied by the long handles which are shaped to fit the natural grip of the hand.

Drop forged from select Chrome Alloy Steel and heat treated for toughness. Milled with deep, coarse teeth for a firm grip on the work and to provide extra wearing quality.

Range $\frac{3}{32}$ " to 1". Length 8". Weight 7 ozs.

No. 179-S, Satin nickel, polished head.

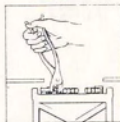
LIST PRICE, each.....\$1.70

No. 179-N, Hand polished nickel.

LIST PRICE, each.....2.10

No. C-79, Carbon Steel. (Not Chrome Alloy.)
Satin finish.

LIST PRICE, each......85



Here is a specially designed box type wrench with 12-point openings for either the removal or installation of the battery cable. One end has a $\frac{1}{16}$ " opening and fits battery terminal bolt nuts, the other end has a $\frac{5}{8}$ " opening and fits the copper nut on the starter switch, or starter motor connection. Designed with paneled handles for more gripping power. The 12-point openings are chamfered to engage the nuts readily. This special wrench is also ideal for tappet adjustments on all overhead motors.

Battery and Starter Nut Wrench No. 276

12-point Openings—Paneled Handle

Drop Forged from Select Tool Steel



The 12-point openings $\frac{1}{16}$ " and $\frac{5}{8}$ " are machined in specially designed heads. One end has a deep shoulder to allow clearance when used on the starter nut, the other end is extra thin to firmly grip the terminal nut. Double plated in satin nickel with heads brightly polished. Length 6". Weight 2 $\frac{1}{2}$ ozs.

LIST PRICE, each.....\$.75



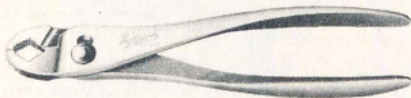
MultiDuty Plier No. 178

Compound Action—10 to 1 Power

Drop Forged from Chrome Vanadium Steel

Range $\frac{3}{16}$ " to $\frac{3}{4}$ ", fitting all popular S.A.E. nuts. Satin nickel.
Length 9". Weight 12 ozs.

LIST PRICE, each.....\$2.30



General Service Plier No. 169

For Square or Hex Nuts

Drop Forged from Tool Steel

Length 8". Weight 10 ozs. 6 to the box.

No. 169-S, Satin nickel plated.

LIST PRICE, each.....\$.90

No. 169-N, Polished nickel finish.

LIST PRICE, each.....1.10



Combination Plier 151

With Slip Joint

Drop Forged and Heat Treated

Length 6". Weight 8 ozs. 12 to the box.

No. 151-B, Black enamel finish.

LIST PRICE, each.....\$.35

No. 151-S, Satin nickel finish.

LIST PRICE, each......40

The positive biting grip of the 10 to 1 power MultiDuty gets pipe, fittings and rods, tough and battered nuts, whether square, hex or rounded. Corroded and rusted nuts come easy with this amazing tool which replaces many wrenches and several pair of pliers. Ten times more gripping power than an ordinary plier.

Milled with a hex opening, it fits the entire range of nuts from $\frac{3}{8}$ " to $\frac{1}{8}$ ". The serrated teeth take a firm non-slip hold, and the 8" handles provide ample leverage. The slip joint permits quick and easy adjustment to fit any square or hex nut within its range. The short, thin, rounded nose reaches and turns nuts in inaccessible quarters.

This general utility plier retains the well known Herbrand quality. The accurately milled sharp teeth take a biting hold and the short rounded nose is ideal for close gripping. The slip joint feature gives it a wide variety of uses. Individually hardened.

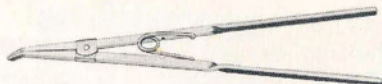
Exceptionally useful for handling valve pins and horseshoe washers, cotter and clevis pins, steel balls, and making wire connections, they have innumerable other uses. The serrated teeth take a firm grip and are featured with a new notched construction for holding small screws, cotter keys and elusive objects of any kind. Has its own grip tension held by music spring wire.



The sharp opening wedges release broken links easily, and the positive closing jaws compress the links without distortion. The 11" handle provides the extra power. The 30° angle nose, in the narrow rounded head, makes access to all links easy, either on or off the wheel. Range from the smallest connecting links to those used on medium size trucks.



The broad wedge in the head of this tool opens the cross links while chain is either on or off the wheel. The notch in the jaw closes them. The inside teeth back of the head can also be used to compress the links.



Long Nose Alligator Pliers

New Design with Notched Openings

Indispensable for the Hard-to-get-at Jobs

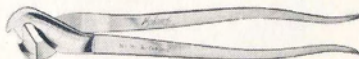
Available in two styles, straight and bent nose. Bright finish. Length 9½". Jaw capacity up to 1¼". Weight 2¾ ozs.

No. 184, Straight Nose.

LIST PRICE, each.....\$.40

No. 185, Bent Nose.

LIST PRICE, each......45



Tire Chain Repair Plier No. 161

New Improved Design

Drop Forged from Chrome Alloy Steel

Drop forged from Chrome Alloy Steel, heat treated all over. Satin nickel finish, brightly polished head.

Weight 14 ozs. Length 11". 6 to the box.

LIST PRICE, each.....\$2.20



Chain Repair Plier 160

For Most Tire Chains

Drop Forged from High Carbon Tool Steel

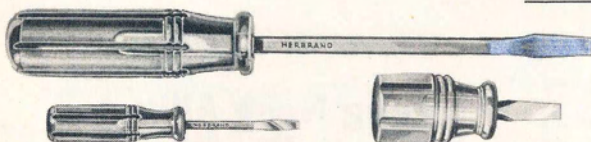
Weight 16 ozs. Length 10¼". 6 to the box.

No. 160-B, Baked black enamel finish.

LIST PRICE, each.....\$.75

No. 160-S, Satin nickel finish.

LIST PRICE, each......85



Display Board No. SD-14

Protectogrip Screw Drivers

Insulated Handles—Cross Forged Blades

Chrome Tungsten Steel Blades—Genuine Pyralin Breakproof Handles

Catalog No.	Length of Blade	Size Square Stock	Overall Length	Weight Per Doz. Lbs. Ozs.	List Price Each
310	2	1/8	4 3/16	.. 9	\$.50
311	3	1/8	4 3/16	.. 12	.55
312	3	3/16	6 1/4	1 10	.80
313	6	3/16	9 1/4	2 ..	.95
314	9	3/16	12 1/4	2 4	1.00
315	1 1/4	1/4	3 1/2	2 ..	1.00
315A	4	1/4	8	2 8	1.20
316	6	1/4	10	3 6	1.35
317	10	1/4	14	4 2	1.55
318	1 1/4	3/16	3 1/2	2 ..	1.20
319	7	3/16	11	4 8	1.65
320	12	3/16	16 1/4	7 ..	1.80
321	6	3/8	10 1/4	6 ..	2.05
322	12	3/8	18 1/2	10 8	2.60
323	16	3/8	22 1/2	12 ..	2.80

Packed six to the box. Numbers 310 and 311 are equipped with a pocket clip.

The transparent amber handles of the Herbrand Protectogrip Screw Drivers are perfect insulators against electricity and will stand eight thousand volts or more. They are just the right size to fit snugly into the palm of the hand and are designed to prevent slipping even in greasy hands. Protectogrip handles are machined from bars of pyralin which are carefully cured to provide indestructible qualities.

The solid one piece blades are cross-forged from special analysis Chrome Tungsten Steel and this special Herbrand forging process not only strengthens them but enhances their appearance. The tips are accurately sized to standard gauges, insuring a positive non-slip fit in screw slots. Only square stock is used in Protectogrip Drivers.

The X-ray illustrations above show how the shanks of the blades extend far into the handles to prevent any possibility of turning or becoming loose. The blades are heat treated to give maximum service and resiliency and will twist off the head of any screw they are made to fit. The Protectogrip is the toughest, strongest screw driver ever offered the automotive trade, and will stand surprising abuse and long wear. Blades are satin nickel plated and the tips are polished bright.

Display Board No. SD-14

carries 3 each of 15 screw drivers listed in the table. Total of 45 screw drivers. Size of board 15" x 28". Weight 25 lbs. Board gratis.

LIST PRICE, complete....\$63.00

To conserve the mechanic's time and keep readily available the popular sizes of screw drivers used most frequently, Herbrand provides carefully selected assortments of the most sturdy and highest quality screw drivers in the industry.

Set No. SD-5

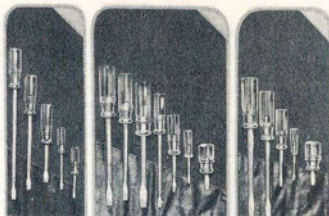
SET No. SD-5 for electrical, ignition and radio service carries five slim, narrow shank drivers which are forged from $\frac{1}{8}$ " and $\frac{3}{16}$ " square stock, with variation in blade lengths from 2" to 9" and overall length from $4\frac{1}{8}$ " to $12\frac{1}{4}$ ". The Protectogrip Screw Drivers in this set are numbers 310, 311, 312, 313, 314.

Set No. SD-6

SET No. SD-6 carries a well balanced assortment of five Protectogrip Screw Drivers which are in daily demand. Contains the number 310 and 312 sizes for electrical and ignition work; the number 315, short, stubby type for general adjusting and carburetor work; numbers 316 and 319 for general utility service.

Set No. SD-7

SET No. SD-7, a general service assortment containing a wide range of seven genuine Protectogrip Screw Drivers that fill an all purpose need. It includes numbers 310, 312 and 313 for electrical, ignition and delicate adjusting work; the short, stubby driver number 315; numbers 316 and 319 for general purposes; the heavy duty screw driver number 321. Complete specifications are given on page 62.



Set No. SD-5

Set No. SD-7

Set No. SD-6

Protectogrip Screw Driver Sets

SET No. SD-5 contains 1 each of Nos. 310, 311, 312, 313, 314.

LIST PRICE, in pocket leatherette case.....\$4.30

SET No. SD-6 contains 1 each of Nos. 310, 312, 315, 316, 319.

LIST PRICE, in pocket leatherette roll..... 5.80

SET No. SD-7 contains 1 each of Nos. 310, 312, 313, 315, 316, 319 and 321.

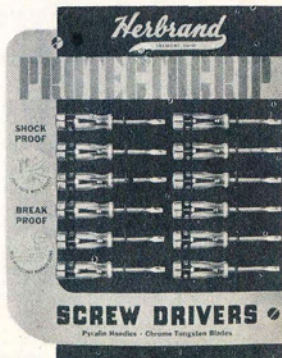
LIST PRICE, in pocket leatherette roll..... 8.90

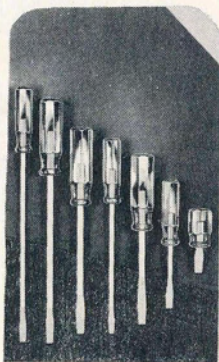
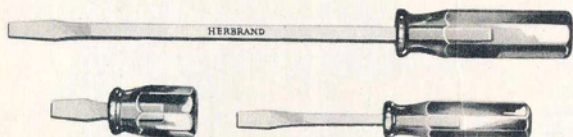
Protectogrip Display No. SD-12

The extra quality of these Protectogrip Screw Drivers is emphasized by this sales making display card. It holds 12 No. 310 Mid-get Screw Drivers and is die cut so the light X-rays the handles showing how deeply the blades are imbedded. Easel back.

Size $10\frac{1}{2}$ " x $13\frac{1}{4}$ ".

LIST PRICE, complete with 12 No. 310 Screw Drivers\$6.00





Set No. D-7

"Van-Chrome" OctaGrip Screw Drivers

Insulated Handles—Octagon Grip

Square Blades Forged from Chrome Alloy Steel

Catalog No.	Length of Blade	Size Square Stock	Overall Length	Weight Per Doz. Lbs. Ozs.	List Price Each
D-12	3	3/16	6 1/4	1 2	\$.65
D-13	6	3/16	9	1 8	.75
D-14	9	3/16	12	1 14	.85
D-15	1	1/4	3	1 2	.75
D-16	4	1/4	7 1/2	2 10	1.00
D-17	5 1/2	1/4	9 1/2	3	1.05
D-18	8	1/4	11 1/2	3 6	1.10

Packed 6 to the box

SET No. D-7 contains 1 each of the seven drivers listed in the above table. Weight 1 lb. 7 ozs.

LIST PRICE, in fibre box.....\$6.15

LIST PRICE, in pocket leatherette case..... 6.75

A brand new line of Quality Screw Drivers with genuine pyralin, shock proof, octagon handles and forged Chrome Alloy Steel blades with square shanks. Possessing all the fine qualities which made Herbrand Protecto-grips famous, they are sold at exceptionally low prices.

The handles are machined from bars of transparent amber pyralin and are break-proof, shock-proof and insulators which will withstand eight thousand volts.

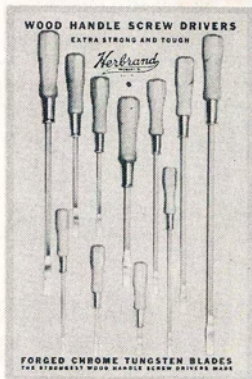
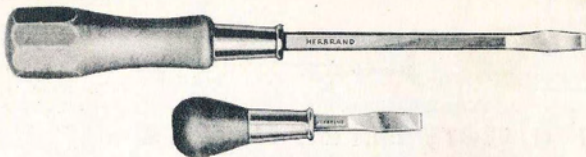
Only square stock, Chrome Alloy Steel of special analysis is used in forging the true temper blades, which are hardened to just the right degree to take the abuse to which screw drivers are normally subjected.

The blades are driven deeply into the handles and firmly wedged making it impossible for them to work loose. Blade tips are carefully ground to accurate sizes and individually bench tested.

Finished in triple satin rust-resisting nickel plate.

Screw Driver Set No. D-7

These Octagon Handle Drivers are supplied in the seven sizes which have been proved most practical and useful for general all-around service. Set No. D-7 contains one each of the seven Drivers listed in the table.



Display Board No. SD-11

The long slender taper blades of Herbrand Screw Drivers have accurately ground points for the perfect gripping of screw slots. These screw drivers are the best balanced and strongest wood handled screw drivers made. The blades are carefully drop forged from Chrome Tungsten Alloy Steel of special analysis and are heat treated throughout to provide utmost strength and resiliency. The tips are hand ground to precision gauges to insure a positive fit in the screw slots.

These sturdy drivers are practically unbreakable and will stand up under the most severe wear and usage. The square stock of Tungsten Steel is firmly imbedded in the handle and securely bound in with a heavy steel ferrule which eliminates the possibility of turning or working loose. The handles are turned from clear, selected birch with white shellac finish and shaped to fit the hand for maximum driving power. Blades are finished in satin nickel.

Display Board No. SD-11

carries 3 each of the 11 popular sizes listed in the table, total quantity 33 screw drivers. Size of board 15" x 28". Weight 23 lbs. Board gratis.

LIST PRICE, complete...\$27.60

Screw Drivers With Wood Handles

Smoothly Turned Handles—Cross Forged Blades

Blades Forged from Chrome Tungsten Tool Steel

Catalog No.	Length of Blade	Size Square Stock	Overall Length	Weight Per Doz. Lbs. Ozs.	List Price Each
330	3	$\frac{3}{8}$	7 $\frac{1}{4}$	1 8	\$.50
331	6	$\frac{3}{8}$	10 $\frac{1}{4}$	1 8	.60
332	9	$\frac{3}{8}$	13 $\frac{1}{4}$	1 14	.65
333	1 $\frac{1}{4}$	$\frac{1}{2}$	3 $\frac{3}{4}$	1 6	.50
334	6	$\frac{1}{2}$	11 $\frac{1}{4}$	3 ..	.70
335	10	$\frac{1}{2}$	15 $\frac{1}{4}$	4 ..	.85
336	6 $\frac{1}{4}$	$\frac{5}{8}$	12 $\frac{1}{2}$	4 8	.90
337	12	$\frac{5}{8}$	17 $\frac{1}{2}$	6 3	1.00
338	6	$\frac{3}{4}$	12 $\frac{1}{2}$	6 6	1.00
339	12	$\frac{3}{4}$	18 $\frac{1}{2}$	9 6	1.20
340	16	$\frac{3}{4}$	22 $\frac{1}{4}$	10 14	1.30

Packed six to the box



Upholstery Screw Drivers

For Socket Head Screws

Used on Chevrolet and Other Trucks

Made from Alloy Steel. Good quality hickory wood handle.
Available in two sizes:

No. 341 for small socket slots.

No. 342 for large socket slots.

LIST PRICE, each\$.60



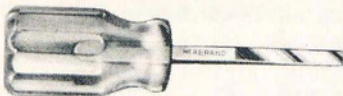
Tappet Adjusting Screw Driver No. 336T

For Valve Adjustments on Overhead Motors

Chrome Tungsten Steel Blade—Special Handle

Chrome Tungsten blade, nickel plated and polished. Length overall 6½", blade 2½". Size stock ⅝" square. Weight 4 ozs.

LIST PRICE, each\$.70



Carburetor Jet Screw Driver No. 1957

For Chevrolet

Chrome Tungsten Blade—Pyralin Handle

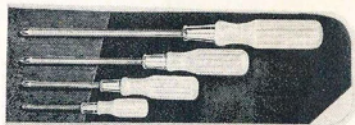
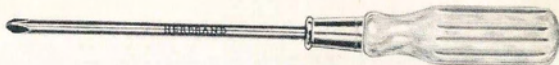
Chrome Tungsten blade, nickel plated and polished. Length overall 4¼", blade 2½". Weight 2 ozs. 6 to the box.

LIST PRICE, each\$1.05

The socket type screws used on metal upholstery and panel board will not respond to the conventional screw driver because they are recessed as shown above. This special narrow blade screw driver is shaped to fit the unique opening in the screw head and will remove or replace them without mutilation of screws or damaging the upholstery. The shank is firmly imbedded in the wood handle.

Built specially for valve adjusting work on all overhead motors such as Buick and Chevrolet. The bit is accurately ground and sized so that it is just right for this particular adjustment. The smoothly turned wood handle is shaped to fit the natural grip of the hand. It is also very useful for drag links and adjustments in many other close, inaccessible places where standard screw drivers will not function.

Efficient work on Chevrolet carburetor requires this new Screw Driver with special length, thickness, width and taper of blade. Just right for perfect engagement and accessibility and the large handle provides a firm, positive grip.



Set No. 360

Specially designed for faster driving and better holding power and to accurately fit the tapered four-point recesses in the heads of Phillips screws and bolts.

The bits center automatically in the screw heads and very little downward pressure is required to hold them firmly in place because the four-point contact produces three times the driving force of the conventional type.

These Drivers cannot slip, break off screw heads nor cause damage to rich upholstery fabrics, fine beaded mouldings and highly finished accessories. An absolute necessity because these new type screws are widely used on Chevrolet, Oldsmobile, Pontiac, Buick, Cadillac, LaSalle, Chrysler, Dodge, Plymouth, DeSoto, Packard, Yellow Trucks, Briggs and Murray Bodies, etc.

Phillips Screw Drivers

For Four-Point Recessed Heads—Self Centering

High quality hardwood varnished handles with polished Chrome Alloy Steel blades and nickel plated ferrules. Available in four individual sizes or in complete sets. Packed 6 to the box.

Catalog No.	Fits Phillips Screws	Length Of Blade	Overall Length	Weight Per Doz. Lbs. Ozs.	List Price Each
361	#4 & smaller	3	6 1/4	12	\$.70
362	#5 to 9 inc.	4	8 1/2	2 4	.75
363	#10 to 16 inc.	6	11	3	1.00
364	#18 & larger	8	14 1/2	6	1.25

SET No. 360, 1 each of the above drivers. Weight 1 lb. 4 ozs.

LIST PRICE, complete in fibre box.....\$3.70

LIST PRICE, complete in pocket leatherette case.....4.30



Instantly grasping any size screw and holding it positively, this tool, like a magic finger, places, starts, and sets them up in the most awkward and inaccessible locations. Invaluable for radio, automotive, typewriter, adding machine, electrical, telephone and household appliances and unmatched for speedometer, ignition and dash panel work.

Unexcelled for firmly holding, starting and setting up screws of any size in confined or invisible places. It is also a convenient pick-up tool for retrieving small parts in hard-to-get-at spots.

Available in two lengths. Satin nickel finish. 6 to the box.

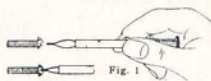


Fig. 2

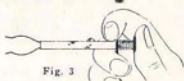


Fig. 3

Fig. 1 to engage screw slot. The square tube only is held—the plunger left entirely free; place spring jaws in screw slot; push down on square tube.
 Fig. 2 shows position of spring jaws holding screw after being forced into screw slot.
 Fig. 3 shows plunger being forced down to release screw, also position for pick-up tool.

Screw Starter and Pick-Up Tools

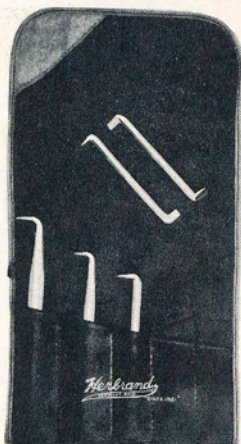
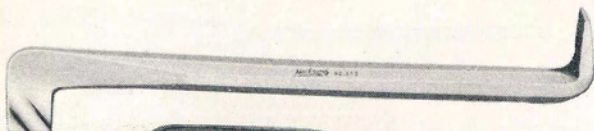
Capacity All Screws—Tempered Steel Spring Jaws

No. 343. Length 4". Weight 1 oz.

LIST PRICE, each.....\$1.00

No. 344. Length 6". Weight 1 1/2 ozs.

LIST PRICE, each.....1.25



Set No. 350

"Van-Chrome" Offset Screw Drivers

Drop Forged from Chrome Tungsten Steel

Catalog No.	Size Stock	Length	Weight Per Doz.		List Price Each
			Lbs.	Ozs.	
351	1/4	4 1/4	..	12	\$.80
352-45°	1/4	4 1/4	2	12	.80
353	3/8	5 1/2	2	4	.85
354	1/2	6 1/2	3	..	.90
355	3/4	7 1/2	5	4	1.05

Packed six to the box

SET No. 350 Comprises one each of the above five sizes, in attractive leatherette, flannel lined, tool roll. Weight 1 lb.

LIST PRICE, complete.....\$4.65

Offset Screw Drivers must necessarily work in very confined places, where the manipulation of a straight driver is impossible. The bits of "Van-Chrome" Offset Screw Drivers are accurately gauged and the heads are angled to slip into the screw slots readily with grips designed to provide the required leverage for easy turning without mutilating screw heads and injuring knuckles.

The bits of these double end Offset Screw Drivers are set at right angles to each other with the exception of No. 352 which has the blades forged at a 45° angle. The special pitch of No. 352 engages screws that may be turned to awkward positions and not accessible with other types.

Mechanics who use offset screw drivers will appreciate the extra measure of quality and precision built into the "Van-Chrome" line because they are drop forged from a special Chrome Tungsten Steel, accurately sized and heat treated for extreme endurance. The handles are octagon shaped for ease of handling and they are double plated in satin nickel with brightly buffed blades.



"Van-Chrome" Multiuse Pry Bar No. 485

For All Kinds of Prying and Pulling Work

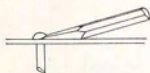
Drop Forged from Chrome Vanadium Steel

The novel design of the forged head of this Pry Bar permits a great many uses never before found in any tool. It has all the utility of the older types plus additional value as a pry for taking off gears, bushings, bearings, grease caps, grease retainers, ball races and lifting cylinder heads. The tapered end can be used as a pry or for lining up body or fender bolt holes, motor support bolt holes, body parts and the like. The 16" length gives good leverage for tough jobs and the scientifically designed head is engineered for a multiplicity of uses. Handsomely nickel plated.

No bar on the market today can compare with this new type Herbrand Pry Bar which is designed for dozens of new uses and built to stand up under the heaviest work. The pry point is thinned down to readily engage close fitting parts, and the rounded heel supplies a powerful leverage and easy working qualities. Drop forged from select Chrome Vanadium Steel. Heat treated from end to end and double plated in satin nickel.

Length 15". Weight 1 lb. Packed 6 to the box.

LIST PRICE, each.....\$2.10



"Van-Chrome" Rivet Shearing Chisels

Designed to Shear Rivets Cleanly

Drop Forged from Chrome Vanadium Steel

Good rivet shearing chisels are an important tool in every mechanic's equipment because they save valuable parts by removing them quickly without damage.

The sharp nose on the cutting end of Herbrand Rivet Shearing Chisels is pitched at an angle that provides ample clearance for the hands, avoiding injury. The 10" and 14" lengths reach into the most confined quarters. Their keen cutting edges are ground to an angle that gets under the rivet heads and the full force of the blow is exerted on the shear blades, cutting the rivets off cleanly and quickly.

Forged from a select $\frac{3}{4}$ " octagon Chrome Vanadium Steel for rigidity and utmost strength and to withstand the severe pounding to which they are subjected.

Carefully heat treated all the way through and finished in satin nickel with the nose and pounding end polished bright.

No. 486, 10" long. Weight 1 lb. 8 ozs. 6 to the box.

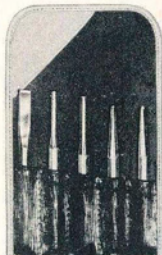
LIST PRICE, each.....\$2.30

No. 487, 14" long. Weight 2 lbs. 6 to the box.

LIST PRICE, each.....2.65

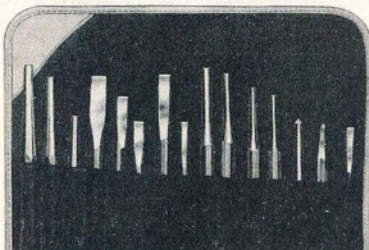
"Van-Chrome" Punches and Sets

Drop Forged from Chrome Alloy Steel



PUNCH AND CHISEL SET No. C-10 contains 1 each of assorted punches Nos. 440, 441, 450, 470 and flat cold chisel No. 400 in flannel lined leatherette roll. Weight 9 ozs.

LIST PRICE.....\$2.65



SUPER PUNCH AND CHISEL SET No. C-15 is a well balanced assortment of 15 of the most popular punches and cutting tools, affording the mechanic a complete well rounded, all service set. It contains 1 each assorted chisels Nos. 401, 402, 403, 410, 412, 421 and 431. Assorted punches Nos. 443, 444, 445, 446, 451, 452, 453 and 471 in a leatherette roll. Wt. 3 lbs. 9 ozs.

LIST PRICE, per set.....\$10.30

Constructed for strenuous driving, piercing and marking purposes, they will retain their points permanently. Forged from the toughest Chrome Alloy Steel and scientifically heat treated for utmost endurance. Nickel plated and polished.



Pin Punches

No.	Size Stock	Diameter of Point	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
440	5/16	1/8	4 1/2	1 2	\$.45
441	5/16	3/32	4 1/2	1 2	.45
442	5/16	3/32	4 1/2	1 2	.45
443	5/16	3/32	6	1 8	.55
444	3/8	3/16	6 1/2	1 14	.60
445	3/8	7/32	6 7/8	2 4	.65
446	3/8	1/4	7	2 4	.70
447	1/2	5/16	7 1/2	4 8	.80



Solid Taper Punches

No.	Size Stock	Diameter of Point	Taper	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
450	5/16	1/16	2	4 1/2	1 2	.45
451	3/8	3/16	2 1/2	5	1 14	.60
452	1/2	1/4	3 1/2	6	3 12	.80
453	5/8	5/16	3 1/2	7	6	1.00



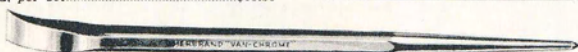
Long Taper Drift Punches

460	$\frac{3}{8}$	$\frac{1}{8}$	$3\frac{1}{2}$	8	2	4	.70
461	$\frac{1}{2}$	$\frac{5}{32}$	$5\frac{1}{2}$	9	4	8	.95
462	$\frac{5}{8}$	$\frac{1}{4}$	$5\frac{3}{4}$	11	9	..	1.25



Center Punches

470	$\frac{5}{16}$	$\frac{1}{8}$	2	$4\frac{1}{2}$	1	2	.45
471	$\frac{3}{8}$	$\frac{7}{32}$	$2\frac{1}{2}$	5	1	14	.60



"Van-Chrome" Jimmy Bars

Forged from Chrome Vanadium Steel

Invaluable for prying, alignment work and many other purposes. One end has a long, sharp pointed taper the other end has a sharp curved leverage blade. Nickel plated, polished points.

No.	Size Stock	Diameter of Point	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
480	1/2	1/8	12	6 12	\$1.25
481	5/8	3/32	16	13 8	1.95
482	3/4	1/4	20	24 12	2.70

The chief requisite of chisels is that they resist the severe demands made upon them and defy breakage. "Van-Chrome" Chisels are forged from the best steel adaptable to these tools—Chrome Vanadium, made to Herbrand's special formula. Individually tempered with perfectly timed electrically controlled heat treatment. The cutting edges are bevelled at the correct angle to remain sharp under extreme abuse. They are so finely tempered that they may be redressed with a file yet stand up under the hardest usage.

Carefully forged from octagon steel and designed for perfect balance, each "Van-Chrome" Chisel is branded with the Herbrand mark of distinction which is your guarantee of quality and service. Finished in double satin nickel with blades polished to a high lustre.



Flat Cold Chisels

No.	Size Stock	Width of Edge	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
400	5/16	5/16	5	1 2	\$.55
401	3/8	3/8	5	1 8	.55
402	1/2	1/2	6	2 4	.60
403	5/8	5/8	6	4 8	.70
404	3/4	3/4	7	6 12	.90
405	7/8	7/8	8	10 8	1.35
406	1	1	9	18	1.70



Cape Chisels

410	5/16	7/32	5	1 2	.55
411	3/8	1/2	6	2 4	.60
412	1/2	5/8	6	4 2	.70



Gouge Chisels

420	5/16	7/32	5	1 2	.55
421	3/8	1/2	6	2 4	.60



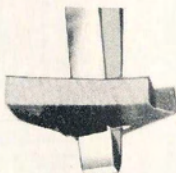
Diamond Point Chisels

430	5/16	5/64	5	1 2	.55
431	3/8	1/8	6	2 4	.60

"Van-Chrome" Chisels and Sets

Drop Forged from Chrome Vanadium Steel

"VAN-CHROME" means a chisel of the highest quality. They can be driven through cold rolled machine steel without damaging the tough, hand ground cutting edges.



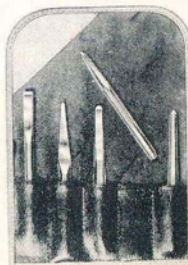
CHISEL SET C-3 contains 1 each of Nos. 402, 403 and 404 in flannel lined leatherette roll. Weight 1 lb. 4 ozs.

LIST PRICE.....\$2.40



CHISEL SET C-5 contains 1 each of Nos. 402, 403, 404, 405 and 406 in flannel lined leatherette roll. Weight 3 lbs. 11 ozs.

LIST PRICE.....\$5.55



SET C-6 contains 1 each of chisel Nos. 401, 410, 420 and 430 and No. 471 center punch in leatherette roll. Weight 11 ozs.

LIST PRICE.....\$3.10



Display No. CB-34



Display and Dispenser CB-93

"Van-Chrome" Punch and Chisel Displays

To make it easier for you to sell more Quality Punches and Chisels the handy wooden dispenser No. CB-93 and the attention getting wall display No. CB-34 are supplied gratis with the assortments illustrated and listed.

Occupying a limited amount of space on wall or counter, these displays will let your trade know that you have a full line of the famous "Van-Chrome" Punches and Chisels.

Display No. CB-34

Contains 1 each of 7 Flat Cold Chisels, Nos. 400 to 406; 3 Cape Chisels, Nos. 410, 411 and 412; 2 Gouge Chisels, Nos. 420 and 421; 2 Diamond Point Chisels, Nos. 430 and 431; 1 each of 8 Pin Punches, Nos. 440 to 447; 4 Solid Punches, Nos. 450 to 453; 3 Long Taper Drift Punches, Nos. 460, 461 and 462; 2 Center Punches, Nos. 470 and 471; 3 Jimmy Bars, Nos. 481, 482 and 483. A total of 34 tools. Each tool is fastened securely to the board with a spring clip for easy removal.

Size 20" x 24". Weight 14 lbs. Total of 34 tools.

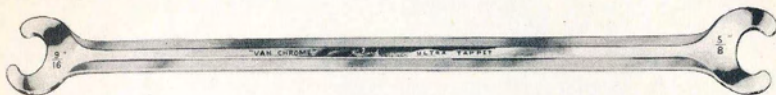
LIST PRICE, complete...\$27.85

Display and Dispenser No. CB-93

Contains 3 each of 31 popular types and sizes of "Van-Chrome" Punches and Chisels: Flat Cold Chisels, Nos. 400 to 406; Cape Chisels, Nos. 410 to 412; Gouge Chisels, Nos. 420 and 421; Diamond Point Chisels, Nos. 430 and 431; Pin Punches, Nos. 440 to 447 inclusive; Solid Punches, Nos. 450 to 453; Long Taper Drift Punches, 460 to 462; Center Punches, Nos. 470 and 471. A total of 93 tools.

Size of Dispenser 12" x 25". Weight 32 lbs. 8 ozs.

LIST PRICE, complete...\$65.85



Keeping pace with the march of progress in automotive engineering Herbrand introduces the new and distinctive Ultra Tappet Wrenches. These modern wrenches offer unparalleled advantages of speed, clearance, strength and ease of operation. Note the scientific construction of the self-locating jaws.

Sense of touch must be relied upon to engage the nuts on most tappets because of locations that make them invisible. The parabola jaws of these wrenches are shaped to readily locate the nuts and automatically ride into position for a firm, positive grip, with absolute elimination of jamming. The heads are shaped to give increased accessibility and eliminate interference frequently encountered with the conventional tappet wrench. This unique jaw construction doubles the turning area of these wrenches. The extreme thinness of the jaws is scientifically balanced with the thickness of the tappet nuts for perfect control of this precision adjustment. The entire wrench is perfectly balanced and reinforced with a raised bar design for rigidity and comfortable grip.

The $9\frac{1}{2}$ " lengths permit working clear of hot motors and the pitch of the 15° angle jaws is correct to readily engage tappet nuts most conveniently and efficiently. These outstanding, modern Tappet Wrenches are drop forged from genuine Chrome Vanadium Steel, electrically heat treated and finished in lustrous triple plate with mirror polished heads.



Set No. T-75



Dotted outline shows how round ends of the Ultra Tappet Wrench automatically revolve the tool into working position making immediate engagement without jamming.

No pointed jaws extending beyond the nut to jam or interfere with the movement of the wrench.

Sharp points of ordinary wrenches jam on nuts causing difficulty in locating, especially when nuts are not visible.

"Van-Chrome" Ultra Tappet Wrenches

Self-Locating Thin Jaws

Drop Forged from Chrome Vanadium Steel

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Sc'ws	Thick-ness Heads	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
T-1	$\frac{3}{16}$ & $\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{3}{32}$	$9\frac{1}{2}$	1 11 \$1.00	
T-2	$\frac{1}{2}$ & $\frac{3}{16}$	$\frac{1}{2}$	$\frac{1}{2}$ & $\frac{3}{8}$	$\frac{1}{2}$ & $\frac{3}{8}$	$\frac{3}{32}$	$9\frac{1}{2}$	2 1 1.10	
T-3	$\frac{3}{16}$ & $\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{3}{32}$	$9\frac{1}{2}$	2 7 1.20	
T-4	$\frac{3}{8}$ & $1\frac{1}{16}$	$\frac{3}{4}$	$\frac{3}{4}$ & 1	$\frac{3}{4}$ & 1	$\frac{3}{16}$	$9\frac{1}{2}$	2 13 1.35	
T-5	$\frac{3}{4}$ & $\frac{1}{2}$	1	1 & $\frac{3}{4}$	1 & $\frac{3}{4}$	$\frac{3}{16}$	$9\frac{1}{2}$	3 15 1.45	

Packed 6 to the box

SET No. T-70, two each of Nos. T-2 and T-4. Weight 1 lb.

LIST PRICE, in box.....\$4.90

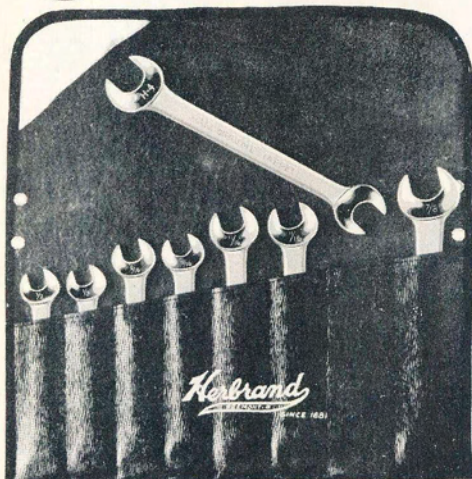
LIST PRICE, in pocket leatherette case.....5.40

SET No. T-75, two each of Nos. T-2, T-4 and T-5. Wt. $1\frac{3}{4}$ lbs.

LIST PRICE, in box.....\$7.80

LIST PRICE, in pocket leatherette case.....8.50

Revolutionary New Design for More Efficient Tappet Work



Set No. H-80

"Van-Chrome" Tapet Wrenches

Double End—15° Angle

Drop Forged from Chrome Vanadium Steel

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Thickness Heads	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
H-1	$\frac{3}{16}$ & $\frac{1}{2}$	.....	$\frac{1}{4}$..	$\frac{1}{4}$..	$\frac{5}{16}$	7 $\frac{1}{4}$	1 8	\$.85
H-2	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$..	$\frac{3}{16}$ & $\frac{1}{2}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$	8	1 14	.90
H-3	$\frac{5}{8}$ & $1\frac{1}{16}$	.. $\frac{3}{8}$	$\frac{1}{2}$..	$\frac{3}{8}$..	$\frac{5}{16}$	8	3 3	.90
H-4	$\frac{3}{4}$ & $1\frac{1}{8}$	.. $\frac{1}{2}$	$\frac{3}{4}$ & $\frac{1}{2}$	$\frac{1}{2}$ & $\frac{3}{4}$	$\frac{5}{16}$	9	4 6	1.15

Packed 6 to the box

SET No. H-70, two each of Nos. H-2 and H-3. Weight 13 ozs.
LIST PRICE, in box \$3.60; in pocket leatherette case.....\$4.00
SET No. H-75, two each of Nos. H-1, H-2 and H-3. Weight 1 lb.
LIST PRICE, in box \$5.30; in pocket leatherette roll.....\$5.80
SET No. H-80, two each of Nos. H-1, H-2, H-3, H-4. Wt. 1 lb. 12 ozs.
LIST PRICE, in box \$7.60; in pocket leatherette roll.....\$8.30

The super quality and design of "Van-Chrome" Tapet Wrenches have given them nation-wide acceptance and in the face of all competition they still stand supreme. Strength—Precision—Balance—Design are the vital elements that characterize these outstanding wrenches. They have long, narrow pointed jaws set at just the proper pitch to engage the tapet nuts readily at an angle most convenient for efficient adjustment. The various lengths are correct for ease of handling and faster work.

H-2 and H-3, commonly used for most adjustments, are made in equal lengths but with different graduated openings—a mated pair that is hard to beat.

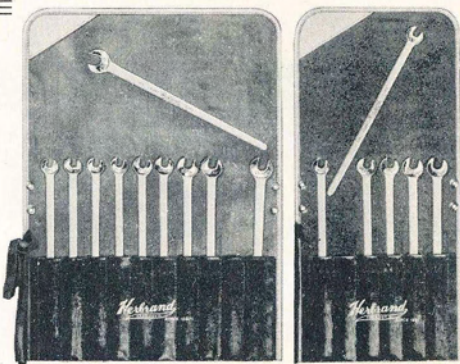
Their great strength is the result of individual drop forging from the finest Chrome Vanadium Steel and advanced heat treating to scientific standards. Beautifully finished in permanent nickel with mirror polished heads and satin finished grips. Sold singly, in pairs and in complete sets listed in the table.

With the H-80 Kit the mechanic is never at loss for the right tapet wrench for most any tapet adjusting job. The moderate cost makes it easy for the mechanic to own the complete assortment of all the necessary eight different opening sizes.

The mechanic who has burned his hands on a hot manifold when making tappet adjustments will appreciate and want these Extra Long Tappet Wrenches. The thin, tapered handles are 12½" long to clear the hot manifold and provide maximum reach with positive control for precise adjustments. The thin, ⅜" pear shaped heads and narrow pointed jaws are set at just the right angle for that perfect balance that speeds up any tappet adjustment job.

These Special, Extra Long Tappet Wrenches have every feature of design and construction required by the professional mechanic who finds it necessary to adjust tappets on a variety of cars daily.

Drop forged from the finest Chrome Vanadium Steel, heat treated their entire length to insure dependable service. Double nickel plated in satin finish with high lustre heads. Sold individually in a range of five sizes and in popular set combinations. Set number LT-6 carries three pairs of the sizes most frequently used. Set number LT-10 is a complete tappet adjusting set and contains one pair each of five different opening sizes covering the broadest possible range of tappet service.



Set No. LT-10

Set No. LT-6

"Van-Chrome" Tappet Wrenches

Extra Long—15° Angle

Drop Forged from Chrome Vanadium Steel

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex Cap Screws	For S.A.E. Nuts and Cap Screws	Thickness Hds.	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
LT-9	⅜	..	⅜	..	⅜	12½	2 4	\$1.60
LT-11	⅜	..	14	14	⅜	12½	2 4	1.60
LT-12	12	14	⅜	⅜	⅜	12½	2 4	1.60
LT-13	⅜	..	⅜	⅜	⅜	12½	2 4	1.60
LT-14	⅜	..	⅜	⅜	⅜	12½	3 6	1.70
LT-15	1½	⅜	..	..	⅜	12½	3 6	1.70

Packed six to the box

SET No. LT-6 contains two each of Nos. LT-12, 13 and 14. Weight 2 lbs. 3 ozs.

LIST PRICE, in box.....\$9.80

LIST PRICE, in pocket leatherette case..... 10.50

SET No. LT-10 contains two each of Nos. LT-11, 12, 13, 14 and LT-15. Weight 3 lbs. 10 ozs.

LIST PRICE, in box.....\$16.40

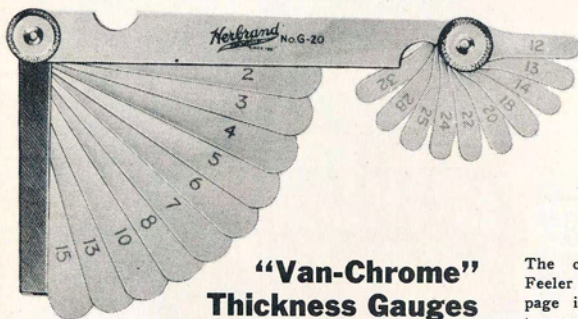
LIST PRICE, in pocket leatherette case..... 17.20



Tappet Adjusting Screw Driver No. 336 T

Built special for valve adjustments on all overhead valve motors. Chrome Vanadium blade. Overall length 6½". Blade 2½".

LIST PRICE, each.....\$ 70



"Van-Chrome" Thickness Gauges

Tested for Accuracy and Temper

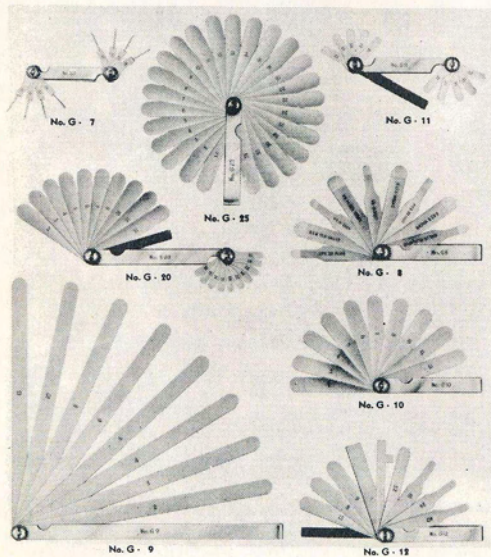
Imported Swedish Steel

The complete assortment of Feeler Gauges shown on this page includes every size and type required for accurate spacing of spark plug terminals, distributor and ignition points, tappet clearance or any of the other close tolerances that are vital to the proper functioning of cars and engines.

For dependable accuracy feeler gauges must be made from the finest grade materials, properly hardened and tempered. "Van-Chrome" Thickness Gauges are made with the greatest precision from the finest grade of imported Swedish Steel, scientifically hardened and tempered to withstand wear. Each blade is individually tested to insure the exact thickness to a minute degree.

All Herbrand Thickness Gauges are equipped with knurled lock-nuts which release the blades instantly for rapid selection of size desired, and when tightened lock the individual blade into the working position, retaining the blades not in use firmly in the handle.

The sizes are permanently etched on each blade. The nickel plated handles are notched to quickly release the blades from the retaining handle.



Listing of types and sizes appears on the opposite page



"Van-Chrome" Thickness Gauge Display Card No. G-1

Types and Sizes of "Van-Chrome" Feeler Gauges

No. G-7, Spark Plug Wire Gauge, the latest development for accurate spark plug gap spacing. 8 wire gauges $1\frac{1}{4}$ " long:—.022; .025; .027; .028; .030; .032; .035; .040.

LIST PRICE, each.....\$1.65

No. G-8, Special Ford Gauge for all models. 9 sizes, with Go-No-Go feature $3\frac{1}{4}$ " long:—.013 valve; .014 valve; .014 dist.; .016 dist.; .017 valve; .022 dist.; .022 valve; .025 plug; .035 plug.

LIST PRICE, each.....\$1.65

No. G-9, Extra Long Feeler Gauge for pistons, etc. 8 sizes, 9" long:—.002; .003; .004; .005; .006; .008; .010; .015.

LIST PRICE, each.....\$2.50

No. G-10, Standard Feeler Gauge containing 10 sizes $3\frac{3}{4}$ " long:—.002; .003; .004; .005; .006; .007; .008; .010; .012; .015.

LIST PRICE, each.....\$1.25

No. G-11, Ignition Gauge, short narrow blades for ignition, distributor points and spark plugs; 10 sizes $1\frac{1}{4}$ " long and 3" point file:—.012; .013; .014; .018; .020; .022; .025; .028; .032; .035.

LIST PRICE, each.....\$1.65

No. G-12, Special Chevrolet Gauge for valves and ignition; 7 blades $3\frac{1}{4}$ " long and point file, 3" rule and float level gauge:—.006; .008; .013; .018; .024; .032; .040.

LIST PRICE, each.....\$1.65

No. G-20, General Purpose Gauge for tappet, and ignition work—most universal gauge on the market; 10 blades $1\frac{1}{2}$ " long, 10 blades $3\frac{3}{4}$ " long and 3" point file—short blades, .012; .013; .014; .018; .020; .022; .024; .025; .028; .032—Long blades:—.002; .003; .004; .005; .006; .007; .008; .010; .013; .015.

LIST PRICE, each.....\$2.50

No. G-25, Universal Master Gauge with a full range of spacers; 25 blades $3\frac{3}{4}$ " long:—.0015; .002; .003; .004; .005; .006; .007; .008; .009; .010; .011; .012; .013; .014; .015; .016; .018; .020; .022; .024; .025; .028; .030; .032; .035.

LIST PRICE, each.....\$3.30

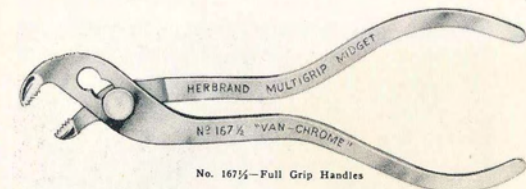
Listed are the most practical combinations for any specific purpose and included is the complete general purpose gauge containing 25 blades of different thicknesses. Every phase of automotive work demands different combinations of thickness gauges and the alert jobber who stocks the complete range of sizes recommended by experts, and listed on this page, will be prepared to meet every demand.

Display Card No. G-1

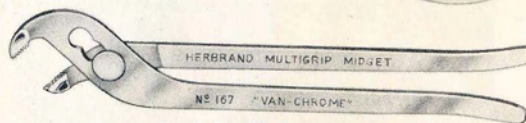
The most comprehensive and diversified line of accurately sized Thickness Gauges ever offered to the automotive mechanic is shown on Display Card No. G-1. A gauge for every purpose with correct thicknesses to measure precisely every clearance for perfect efficiency. Set up on your counter, or hung on your wall, this Sales-Making Display will more than double your business on Thickness Gauges.

The Herbrand Display Card No. G-1 graphically presents eight combinations of Feeler Gauges that meet every known need. It is not offered to you as a merchandiser but is visual evidence of the supremacy of the Herbrand Feeler Gauge line.

The photographic reproduction of the "Van-Chrome" Feeler Gauge Display shown above is supplied gratis to Herbrand jobbers. Size 14" x 20".



No. 167 1/2—Full Grip Handles



No. 167—Finger Tip Control Handles

"Van-Chrome" Electrical Pliers

Drop Forged from Chrome Vanadium Steel

Range 0" to 7/16", length 4 1/2", thickness 1/8". Weight 2 ozs. 6 to the box.

No. 167-S, Satin nickel, polished head.

LIST PRICE, each.....\$1.35

No. 167-N, Hand polished nickel.

LIST PRICE, each.....1.60

No. 167 1/2-S, Satin nickel, polished head.

LIST PRICE, each.....1.40

No. 167 1/2-N, Hand polished nickel.

LIST PRICE, each.....1.65

Unmatched as general utility pliers for ignition, radio and all electrical work, these little giants of capacity and utility are small enough to slip into the vest pocket, thin enough to reach the smallest, most awkwardly placed nuts yet sufficiently strong to last a lifetime. They serve a wide variety of uses on motors, generators, timers, carburetors, those elusive nuts behind the dash panel, switchboards, radio work—in fact wherever delicate adjustments are necessary. The serrated teeth of the jaws take hold with a positive grip and the three slip joint feature makes them instantly adjustable to fit a complete range of miniature nuts. Available in two different patterns and finishes. The illustrations above are actual size.



Electrical Screw Drivers

Insulated Handles



Set No. SD-5

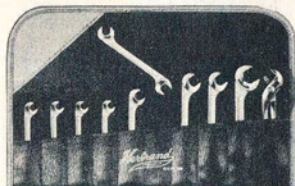
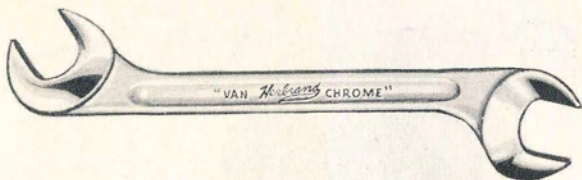


The transparent amber handles of these special Electrical Screw Drivers are perfect insulators and are absolutely breakproof. They are specially designed for electrical, radio and ignition work, and fit the wide range of screws in use. The solid one piece blades are forged from square stock Chrome Tungsten Steel and the tips are accurately ground to standard gauges. These Screw Drivers are the strongest and toughest made and will stand surprising abuse. Blades are nickel plated with brightly polished tips. Nos. 310 and 311 supplied with metal vest pocket clip.

Screw Driver No.	Length of Blade	Size Square Stock	Length Overall	Weight Per Doz. Lbs. Ozs.	List Price Each
310	2	1/8	4 3/16	9	.50
311	3	1/8	4 3/16	12	.55
312	3	3/16	6 1/4	10	.80
313	6	3/16	9 1/4	2	.95
314	9	3/16	12 1/4	4	1.00

SET No. SD-5, containing one each of the five above Screw Drivers.

LIST PRICE, in flannel lined leatherette kit.....\$4.30



Set No. 99

"Van-Chrome" Electrical and Ignition Wrenches

15° and 60° Angle Heads

Drop Forged from Chrome Vanadium Steel

Feather lightness with amazing strength marks "Van-Chrome" Electrical Wrenches as the handiest for tricky carburetor and ignition jobs. They have different openings on each end, yet each size is duplicated on a separate wrench at a different angle assuring accessibility to miniature nuts under all conditions. Ignition experts designed these wrenches for greater efficiency on magnetos, coils, ignition, distributors, ammeters or any small nuts such as radio and electrical appliances. These wrenches are *Drop Forged* and not cheap stampings. They are accurately machined like all "Van-Chrome" tools and heat treated throughout. Very useful and attractive with panelled handle design for easy handling. The special angled heads are those of proved efficiency for expert ignition and fine adjusting work and the lengths are ideal for reaching miniature nuts in cramped places.

These special drop forged Electrical Wrenches are necessary for ignition work on the popular electrical systems including Auto-Lite, Bosch, Delco, Ford Ignition, Remy, Eismann, German Bosch and for General.

Beautifully finished in triple satin nickel plate with the heads polished to mirror brightness.

Wrench No.	Size Openings		Thickness Heads	Length	Weight Per Doz.		List Price Each
	15° Angle	60° Angle			Lbs.	Ozs.	
*81	1 3/4	1 5/8	7/64	3	2	4	\$.75
†82	1 5/8	1 3/4	7/64	3	2	4	.75
†83	1 3/4	1 1/4	7/64	3	2	4	.75
†84	1 1/4	1 1/2	7/64	3	2	4	.75
85	1 1/2	1 1/8	1/8	3 1/2	4	8	.80
86	1 1/8	1 1/4	1/8	3 1/2	4	8	.80
87	1 1/4	1 1/8	9/64	4	9	..	.90
88	1 1/8	1 1/4	9/64	4	9	..	.90
89	1 1/8	1 1/2	11/64	4 1/2	13	8	1.00

*For Ford Ignition †Auto-Lite ‡Delco §Remy ¶Wagner and Remy
Packed six to the box

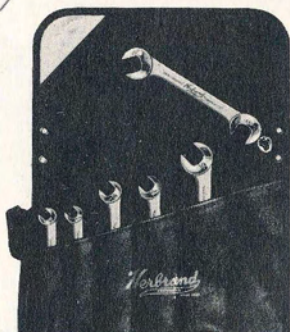
SET No. 97 contains one each Nos. 81, 82, 83, 84, 85, 86, 87.

LIST PRICE, in flannel lined leatherette roll.....\$5.90

SET No. 99 contains one each of the nine wrenches in above table and the No. 167-S Midget Plier illustrated on page 78.

LIST PRICE, in flannel lined leatherette case.....\$9.25

The individual wrench illustrated above is larger than actual size



Set No. 1836

"Van-Chrome" Obstructo Wrenches

45° and 90° Angle Heads

Drop Forged from Chrome Vanadium Steel

Wrench No.	Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Thickness Heads	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
1821	3/8	..	3/8	..	1 1/8	5 1/2	1 ..	\$.90
1823	7/16	..	7/16	..	1 1/8	5 1/2	1 ..	.90
1825	1/2	1/4	5/16	3/8	1 3/8	6 1/2	1 14	1.10
1827	9/16	..	3/8	3/8	1 3/8	6 1/2	1 14	1.10
1829	5/8	..	7/16	7/16	1 5/8	7 1/2	2 10	1.30
1831	3/4	..	1/2	1/2	1 5/8	7 1/2	3 ..	1.30

Packed six to the box

SET No. 1836 comprising one each of the six Obstructo Angle Wrenches. Weight 1 lb. 3 ozs.

LIST PRICE, in box.....\$6.60

LIST PRICE, in canvas bag.....6.80

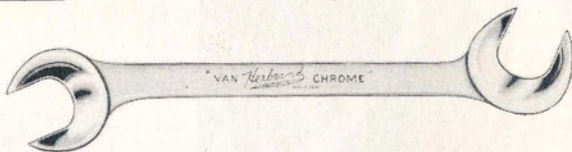
LIST PRICE, in pocket leatherette case.....7.30

With a "Van-Chrome" Obstructo wrench the mechanic need not remove interfering parts to reach awkwardly placed nuts or bolts. Both ends of each wrench carry the same opening with one head set at 45°, the other at 90° angles. Brake adjustments, carburetor, manifold and steering gear work, starter nuts and the like, respond speedily to the positive pull of the Herbrand Obstructo wrenches.

The thin heads and narrow pointed jaws of this wrench reach around obstructions and move hidden nuts or bolts with a firm sure grip in positions that ordinary wrenches cannot reach.

The "Van-Chrome" Obstructo wrenches are drop forged from finest Chrome Vanadium Steel. The comfortable oval grips are finished in smooth, satin nickel and the heads are polished to mirror brightness. The usual Herbrand guarantee against spreading and breakage obtains.

They are sold in single units or in sets of six wrenches, with opening sizes ranging from 3/8" to 3/4". The sets come packed in beautiful flannel lined leatherette kits, providing a convenient, compact means of keeping the wrenches clean and bright and always together.



New, scientific angled wrenches of exclusive Herbrand design with extra narrow pointed jaws and special angles that make it easy to get into confined places.

These Special Angle Wrenches not only function as general service tools in the maintenance shop, but are designed and sized to handle both major and minor brake adjustments on cars and trucks. The unique angles at which the heads are set simplify these important adjustments.

They are the only wrenches of their kind and the unusual angles of the heads have been engineered for reaching and turning awkwardly placed nuts not accessible to the ordinary wrench. The slender, ovate handles allow the greatest possible clearance in the tightest places.

Drop forged from select Chrome Vanadium Steel, machined to exacting tolerance standards and heat treated to insure breakproof qualities. Each end has the same size opening, one set at $22\frac{1}{2}^\circ$ and the other at $62\frac{1}{2}^\circ$ angles which have proved to be the proper angles for greatest efficiency under extreme conditions. They are smoothly ground all over and triple plated in satin nickel with the heads polished to a high lustre. Sold individually or in a complete set of five wrenches.



Set No. 280

"Van-Chrome" Special Angle Wrenches

$22\frac{1}{2}^\circ$ and $62\frac{1}{2}^\circ$ Angle Jaws

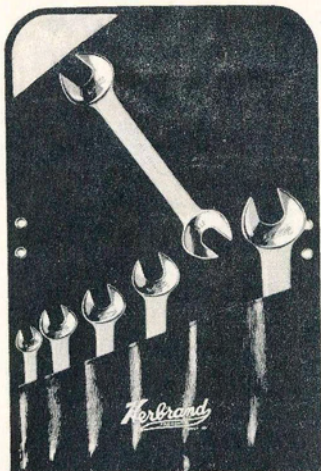
Drop Forged from Chrome Vanadium Steel

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Thickness Heads	Length	Weight Per Doz. Lbs. Ozs.		List Price Each
281	$\frac{3}{16}$ & $\frac{9}{16}$	..	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{4}$	6 $\frac{1}{4}$	2	4	\$1.20
282	$\frac{3}{8}$ & $\frac{3}{8}$	..	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	6 $\frac{1}{4}$	2	4	1.20
283	$\frac{1}{2}$ & $\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{32}$	7 $\frac{3}{4}$	4	4	1.50
284	$\frac{3}{4}$ & $\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{32}$	7 $\frac{3}{4}$	4	4	1.50
285	$\frac{7}{8}$ & $\frac{7}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{3}{32}$	8 $\frac{3}{8}$	5	4	1.75

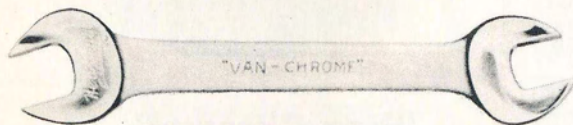
Packed six to the box

SET No. 280 is made up of one each of five wrenches listed in the table. Weight 1 lb. 14 ozs.

LIST PRICE, in box.....\$7.15
 LIST PRICE, in canvas bag..... 7.35
 LIST PRICE, in pocket leatherette kit..... 7.85



Set No. 1025



"Van-Chrome" Automotive Wrenches

15° Angle Heads

Drop Forged from Chrome Vanadium Steel

Carefully selected combinations of wrenches to give the maximum range of service with the least possible number of tools.

SET No. 1025 contains one each of Nos. 1723, 1025, 1027C, 1028S, 1731A, 1033C. Weight 3 lbs. 4 ozs.

LIST PRICE, in fibre box \$8.40; in pocket leather case.....\$ 9.30

SET No. 1025C contains one each of Nos. 1723, 1725B, 1027, 1729, 1731B, 1033C. Weight 3 lbs. 4 ozs.

LIST PRICE, in fibre box \$8.40; in pocket leather case.....\$ 9.30

SET No. 1025A contains one each Nos. 1721, 1723, 1025, 1725B, 1727, 1029, 1729, 1731B, 1033C. Weight 3 lbs. 5 ozs.

LIST PRICE, in fibre box \$11.40; in pocket leather case.....\$12.50

SET No. 1025B contains twelve "Van-Chrome" Wrenches, one each Nos. 1721, 1723, 1025, 1725, 1725B, 1727, 1027, 1729, 1029, 1731A, 1731B, 1033C. Weight 4 lbs. 12 ozs.

LIST PRICE, in fibre box \$15.30; in pocket leather roll.....\$16.60

The lightest, thinnest, longest and strongest wrenches of their type, every Herbrand "Van-Chrome" wrench is individually drop forged by skilled craftsmen from the finest Chrome Vanadium Steel. They are heat treated their entire length to give positive toughness and uniform durability under all conditions.

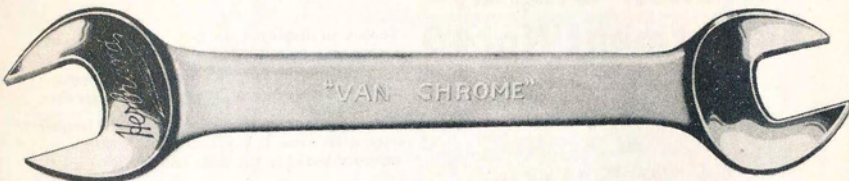
The "Van-Chrome" wrench is built with such character and exceptional physical properties that it absolutely resists the destructive effect of hard and constant

service. The pointed jaws and thin narrow heads offer the maximum accessibility under all conditions and the extra length provides greater leverage. Perfect fit on nuts is assured because the openings are accurately

machined to close, exact tolerances and they will not slip or mutilate the nuts under the hardest pull. The oval handle is shaped for comfort and firm gripping and is easy on the hands. They are the choice of every mechanic who has tried them because the advanced design contributes to more rapid operation and greater adaptability to the modern service problems. These wrenches are finished in triple nickel plate, over copper, with mirror polished heads.

Herbrand "Van-Chrome" Automotive Wrench Sets described in the table on this page have been carefully planned as the most flexible and practical for general garage and mechanical use.

"Van-Chrome" Automotive Wrench Selection Table



15° Angle Pattern

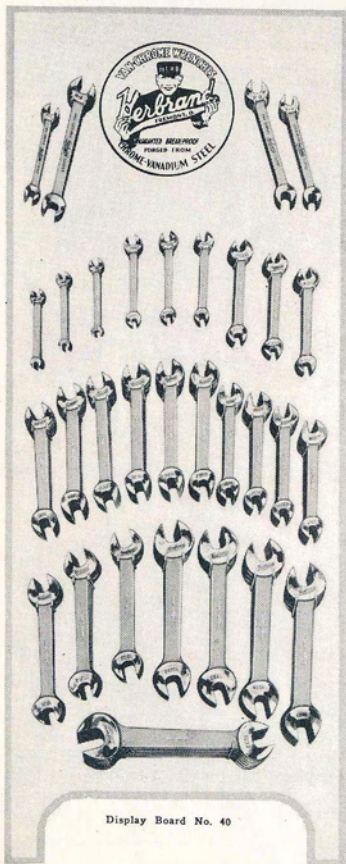
Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Head Cap Screws	For S.A.E. Nuts and Cap Screws	For American Std. Bolts and Nuts	For Am. Std. Hex. Cap Screws	Thick-ness Heads	Length	Weight Per Doz. Lbs. Ozs.	List Price Each	
1721	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{3}{8}$...	$\frac{1}{2}$ & $\frac{3}{16}$...	5, 6 & 10	...	$\frac{3}{16}$	5	1 ..	\$.70	
1021	$\frac{5}{16}$ & $\frac{13}{32}$	$\frac{3}{8}$...	$\frac{1}{2}$ & $\frac{3}{16}$	...	5, 6	...				
1722	$\frac{5}{16}$ & $\frac{1}{2}$	$\frac{3}{8}$...	$\frac{1}{2}$ & $\frac{1}{4}$	$\frac{1}{4}$	5, 6 & 12, $\frac{1}{4}$	$\frac{1}{4}$					
1723	$\frac{3}{8}$ & $\frac{1}{2}$...	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{1}{4}$	10 & 12, $\frac{1}{4}$	$\frac{1}{4}$					
1022	$\frac{5}{16}$ & $\frac{1}{2}$	$\frac{1}{2}$ & $\frac{1}{4}$	$\frac{3}{8}$ & $\frac{5}{16}$	$\frac{5}{16}$	5, 6	$\frac{5}{16}$	$\frac{13}{64}$	5 $\frac{1}{4}$	1 14	.80	
1023	$\frac{13}{32}$ & $\frac{1}{2}$	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{5}{16}$	$\frac{5}{16}$	...	$\frac{5}{16}$				
1723A	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{16}$ & $\frac{5}{16}$	$\frac{5}{16}$	10	$\frac{5}{16}$					
1024	$\frac{13}{32}$ & $\frac{19}{32}$	$\frac{3}{16}$ & $\frac{3}{16}$...	$\frac{1}{4}$ & $\frac{3}{16}$	12, $\frac{1}{4}$	$\frac{1}{4}$ & $\frac{3}{16}$	$\frac{13}{64}$	6 $\frac{1}{2}$	2 4	.95	
1725	$\frac{3}{16}$ & $\frac{1}{2}$	...	$\frac{1}{4}$ & $\frac{3}{16}$	$\frac{1}{4}$ & $\frac{3}{8}$	12, $\frac{1}{4}$ & $\frac{5}{16}$	$\frac{1}{4}$ & $\frac{3}{8}$				
1725A	$\frac{3}{16}$ & $\frac{1}{2}$	...	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{5}{16}$	$\frac{5}{16}$ & $\frac{3}{8}$				
1725B	$\frac{1}{2}$ & $\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$...	$\frac{5}{16}$	$\frac{5}{16}$				
1025	$\frac{1}{2}$ & $\frac{19}{32}$	$\frac{1}{4}$ & $\frac{3}{16}$	$\frac{5}{16}$	$\frac{5}{16}$...	$\frac{5}{16}$	$\frac{5}{16}$				
1726	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{16}$	$\frac{5}{16}$ & $\frac{3}{16}$...	$\frac{5}{16}$ & $\frac{3}{16}$	$\frac{17}{64}$	7 $\frac{1}{4}$	3 6	1.15	
1026	$\frac{1}{2}$ & $\frac{11}{16}$	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{5}{16}$	$\frac{5}{16}$	...	$\frac{5}{16}$				
1727	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{8}$ & $\frac{3}{16}$	$\frac{3}{8}$ & $\frac{3}{16}$	$\frac{3}{8}$ & $\frac{3}{16}$	$\frac{3}{8}$ & $\frac{3}{16}$					
1027	$\frac{13}{32}$ & $\frac{11}{16}$	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{17}{64}$	7 $\frac{1}{4}$	3 6	1.15	
1027C	$\frac{9}{16}$ & $\frac{11}{16}$	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$					
1027F	$\frac{9}{16}$ & $\frac{11}{16}$	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$					
1728	$\frac{9}{16}$ & $\frac{3}{4}$...	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{19}{64}$	8 $\frac{5}{16}$	5 10	1.35	
1028	$\frac{19}{32}$ & $\frac{29}{32}$	$\frac{3}{16}$ & $\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{16}$ & $\frac{3}{16}$	$\frac{3}{16}$ & $\frac{3}{16}$					
1028S	$\frac{9}{16}$ & $\frac{29}{32}$	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{8}$	$\frac{3}{8}$ & $\frac{1}{16}$					$\frac{3}{8}$ & $\frac{1}{16}$
1729	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{3}{16}$ & $\frac{1}{2}$	$\frac{3}{16}$ & $\frac{1}{2}$	$\frac{3}{16}$ & $\frac{1}{2}$	$\frac{3}{16}$ & $\frac{1}{2}$	$\frac{3}{16}$ & $\frac{1}{2}$	$\frac{19}{64}$	8 $\frac{5}{16}$	5 10	1.35	
1029	$\frac{11}{16}$ & $\frac{29}{32}$	$\frac{3}{8}$ & $\frac{3}{16}$	...	$\frac{3}{8}$	...	$\frac{3}{8}$			
1030	$\frac{11}{16}$ & $\frac{3}{4}$	$\frac{3}{8}$ & $\frac{1}{2}$	...	$\frac{3}{8}$	...	$\frac{3}{8}$			
1731	$\frac{3}{4}$ & $\frac{13}{16}$...	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{2}$	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{23}{64}$	9 $\frac{3}{8}$	7 8	1.80	
1731A	$\frac{3}{4}$ & $\frac{7}{8}$	...	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{5}{8}$				
1031	$\frac{25}{32}$ & $\frac{3}{4}$	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{16}$ & $\frac{3}{8}$					
1731B	$\frac{13}{16}$ & $\frac{7}{8}$	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{16}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{23}{64}$	9 $\frac{3}{8}$	7 8	1.80	
1032	$\frac{25}{32}$ & $\frac{31}{32}$	$\frac{3}{16}$ & $\frac{3}{16}$	...	$\frac{3}{16}$	...	$\frac{3}{16}$			
1033A	$\frac{25}{32}$ & $\frac{31}{32}$	$\frac{3}{16}$ & $\frac{3}{16}$	...	$\frac{3}{16}$	...	$\frac{3}{16}$			
1033	$\frac{25}{32}$ & $\frac{31}{32}$	$\frac{3}{16}$ & $\frac{3}{16}$...	$\frac{3}{16}$...	$\frac{3}{16}$	$\frac{3}{16}$				
1733	$\frac{3}{4}$ & $\frac{1}{2}$	$\frac{1}{2}$	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{5}{8}$ & $\frac{11}{16}$	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{27}{64}$	10 $\frac{3}{4}$	12 6	2.45	
1033C	$\frac{15}{16}$ & $\frac{1}{2}$	$\frac{1}{2}$	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{5}{8}$ & $\frac{11}{16}$	$\frac{5}{8}$ & $\frac{3}{4}$					
1034	$\frac{15}{16}$ & $\frac{11}{16}$	$\frac{1}{2}$ & $\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$					$\frac{3}{8}$
1734	$\frac{3}{4}$ & $\frac{13}{16}$	$\frac{1}{2}$	$\frac{3}{8}$ & $\frac{3}{8}$	$\frac{3}{8}$ & $\frac{3}{8}$	$\frac{3}{8}$ & $\frac{3}{8}$	$\frac{3}{8}$ & $\frac{3}{8}$	$\frac{27}{64}$	10 $\frac{3}{4}$	12 6	2.45	
1034A	$\frac{15}{16}$ & $\frac{11}{16}$	$\frac{1}{2}$ & $\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$					
1035	$\frac{31}{32}$ & $\frac{15}{16}$	$\frac{3}{16}$ & $\frac{3}{8}$	...	$\frac{3}{16}$	...	$\frac{3}{16}$			
1735	$\frac{1}{2}$ & $\frac{13}{16}$...	$\frac{3}{4}$ & $\frac{3}{8}$	$\frac{11}{16}$...	$\frac{3}{4}$ & $\frac{3}{8}$	$\frac{3}{4}$ & $\frac{3}{8}$	$\frac{31}{64}$	12 $\frac{1}{4}$	18 ..	3.30
1036	$\frac{31}{32}$ & $\frac{13}{16}$	$\frac{3}{16}$ & $\frac{3}{4}$	$\frac{1}{2}$	$\frac{7}{8}$	...	$\frac{3}{4}$				
1736	$\frac{11}{16}$ & $\frac{13}{16}$	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{3}{4}$ & $\frac{1}{2}$	$\frac{11}{16}$ & $\frac{7}{8}$	$\frac{3}{4}$	$\frac{3}{4}$					
1037	$\frac{11}{16}$ & $\frac{13}{16}$	$\frac{3}{8}$ & $\frac{3}{4}$	$\frac{3}{4}$ & $\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{3}{4}$				
1737	$\frac{11}{16}$ & $\frac{13}{16}$	$\frac{3}{8}$ & $\frac{3}{4}$	$\frac{3}{4}$ & $\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{3}{4}$				

"Van-Chrome" Extra Long Wrenches, 22 $\frac{1}{2}$ ° Angle Heads

241	$\frac{3}{4}$ & $\frac{3}{8}$	...	$\frac{1}{2}$	$\frac{3}{8}$ & $\frac{3}{8}$	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{3}{16}$ & $\frac{9}{16}$	$\frac{1}{2}$ & $\frac{3}{8}$	$\frac{3}{16}$	15	12	12	\$3.10	
242	$\frac{15}{16}$ & $\frac{13}{16}$	...	$\frac{3}{8}$	$\frac{3}{8}$ & $\frac{3}{8}$	$\frac{1}{2}$ & $\frac{3}{4}$	$\frac{3}{8}$	...	$\frac{1}{2}$	$\frac{3}{16}$	16	19	8	3.30
243	$\frac{1}{2}$ & $\frac{13}{16}$	...	...	$\frac{3}{4}$ & $\frac{3}{8}$	$\frac{15}{16}$	...	$\frac{3}{4}$	$\frac{3}{4}$ & $\frac{3}{8}$	$\frac{1}{2}$	16	19	8	3.30

Packed six to the box

"Van-Chrome" Wrench Display Assortment No. 40



Tools well displayed are tools half sold. Recognizing this fact, Herbrand supplies this board with the widest range of sizes in the smallest number of wrenches, plus four Tappet Wrenches.

The easel back board, finished in blue lacquer with silver trim, is supplied gratis with the assortment listed in the table below.

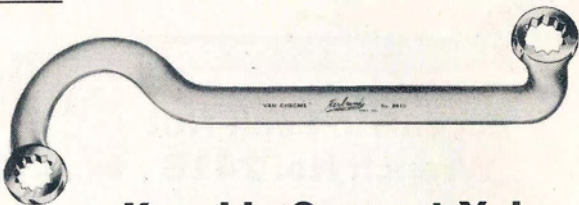
Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex. Hd. Cap Screws	For S.A.E. Nuts and Cap Screws	List Price Each
1721	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$ & $\frac{3}{16}$	.....	\$ .70
1021	$\frac{3}{16}$ & $\frac{13}{32}$	$\frac{3}{8}$ & $\frac{3}{16}$	$\frac{3}{8}$	.....	.70
1723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{1}{4}$	.70
1723A	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{1}{4}$	.80
1023	$\frac{13}{32}$ & $\frac{1}{2}$	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{1}{4}$	.80
1725	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$ & $\frac{3}{16}$	$\frac{1}{4}$ & $\frac{3}{16}$	.95
1725A	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$ & $\frac{3}{16}$	$\frac{1}{4}$ & $\frac{3}{16}$	.95
1725B	$\frac{1}{2}$ & $\frac{3}{16}$	$\frac{1}{2}$	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{16}$ & $\frac{3}{8}$	.95
1025	$\frac{1}{2}$ & $\frac{13}{32}$	$\frac{1}{4}$ & $\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{16}$	.95
1727	$\frac{3}{16}$ & $\frac{3}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	1.15
1027C	$\frac{3}{16}$ & $\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}$	1.15
1027	$\frac{13}{32}$ & $\frac{1}{2}$	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	1.15
1728	$\frac{3}{16}$ & $\frac{3}{8}$	.....	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{3}{8}$ & $\frac{1}{2}$	1.35
1028	$\frac{13}{32}$ & $\frac{7}{16}$	$\frac{3}{16}$ & $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1.35
1028S	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1.35
1729	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$ & $\frac{1}{2}$	$\frac{1}{2}$ & $\frac{1}{2}$	1.35
1029	$\frac{1}{2}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1.35
1731	$\frac{3}{4}$ & $\frac{13}{16}$	.....	$\frac{1}{2}$ & $\frac{3}{16}$	$\frac{1}{2}$	1.80
1731A	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$	$\frac{1}{2}$ & $\frac{3}{16}$	$\frac{1}{2}$ & $\frac{3}{16}$	1.80
1031	$\frac{29}{32}$ & $\frac{7}{8}$	$\frac{1}{2}$ & $\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}$	1.80
1033	$\frac{7}{8}$ & $\frac{13}{16}$	$\frac{1}{2}$ & $\frac{3}{16}$	$\frac{3}{8}$	$\frac{3}{8}$	1.80
1733	$\frac{3}{8}$ & 1	$\frac{1}{2}$	$\frac{3}{8}$ & $\frac{13}{16}$	$\frac{3}{8}$ & $\frac{13}{16}$	2.45
1033C	$\frac{13}{16}$ & 1	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$ & $\frac{13}{16}$	2.45
1034	$\frac{13}{16}$ & $\frac{13}{16}$	$\frac{1}{2}$ & $\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$ & $\frac{13}{16}$	2.45
1035	$\frac{7}{8}$ & $\frac{13}{16}$	$\frac{1}{2}$ & $\frac{3}{8}$	.....	$\frac{3}{4}$	2.45
1737	$\frac{1}{2}$ & $\frac{13}{16}$	$\frac{1}{2}$	$\frac{3}{8}$ & 1	$\frac{3}{8}$	3.30
H-1	$\frac{7}{16}$ & $\frac{13}{32}$	.....	$\frac{1}{4}$	$\frac{1}{4}$	.85
H-2	$\frac{7}{16}$ & $\frac{11}{16}$	.....	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{16}$ & $\frac{3}{8}$	.90
H-3	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$ & $\frac{3}{8}$	$\frac{1}{2}$ & $\frac{3}{8}$	.90
H-4	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$	$\frac{1}{2}$ & $\frac{3}{8}$	$\frac{1}{2}$ & $\frac{3}{8}$	1.15

No. 40A BOARD has three each of 30 wrenches listed, 90 in all. Satin nickel grips and highly polished heads. Size of board 20" by 52". Weight 75 lbs.

LIST PRICE, complete.....\$125.40

No. 40B BOARD has six each of 30 wrenches listed, 180 in all. Satin nickel with mirror polished heads. Size of board 20" by 52". Weight 120 lbs.

LIST PRICE, complete.....\$250.80



This special Knee-Action Wrench has the necessary angles and bends to service the upper and lower yoke nuts on Buick and Oldsmobile. The $1\frac{1}{4}$ " 12-point opening in the curved end takes the upper support nut which is set between the shock absorber on the spindle; the $1\frac{1}{16}$ " opening reaches the nut on the lower support yoke. Ordinary wrenches are useless. Also ideal for camber work.

Knuckle Support Yoke Wrench No. 2410

For Buick and Oldsmobile

Drop Forged from Chrome Vanadium Steel

12-point openings $1\frac{1}{4}$ " x $1\frac{1}{16}$ ". Length 21". Satin nickel finish with polished heads. Weight 3 lbs. 6 ozs.

LIST PRICE, each.....\$8.00



This wrench is absolutely essential for centralizing the brake shoes on the new knee-action Pontiac and Oldsmobile. The $1\frac{5}{16}$ " open end is necessary for the front brakes and has the proper thickness of heel for positive fit; the $1\frac{1}{16}$ ", 12-point box end opening is set at the correct angle for use on the rear brakes.

Brake Shoe Centralizing Wrench No. 2411

For Pontiac and Oldsmobile

Drop Forged from Chrome Vanadium Steel

Openings $1\frac{5}{16}$ ", one 12-point box type, the other open end. Length $15\frac{1}{2}$ ". Satin nickel, heads polished. Weight 1 lb. 5 ozs.

LIST PRICE, each.....\$4.65



The knuckle support yoke nut on Chryslers is impossible to reach without this specially designed Knee-Action Wrench. It carries a $1\frac{1}{4}$ ", 12-point box opening forged at the proper angle for clearance, with a 16" handle for leverage. Also useful for camber adjustments on Chrysler and Plymouth.

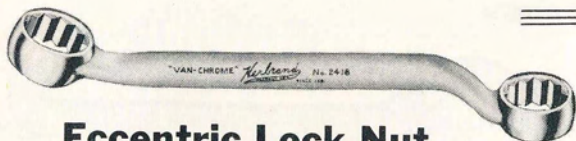
Knuckle Support Yoke Wrench No. 2412

For Chrysler and Plymouth

Drop Forged from Chrome Vanadium Steel

12-point box type opening $1\frac{1}{4}$ ". Length $16\frac{1}{2}$ ". Plated in satin nickel with head brightly polished. Weight 2 lbs. 8 ozs.

LIST PRICE, each.....\$4.00



Eccentric Lock Nut Wrench No. 2418

For Buick

Drop Forged from Chrome Vanadium Steel

12-point openings $1\frac{3}{16}$ " and $\frac{7}{8}$ ". Length $8\frac{3}{4}$ ". Weight $9\frac{1}{2}$ ozs. Satin nickel, polished heads.

LIST PRICE, each.....\$2.65

This special wrench is required for knee-action service on the Buick steering gear eccentric lock nut and the roller shaft adjusting lock nut. It carries a combination of $1\frac{3}{16}$ " and $\frac{7}{8}$ ", 12-point box openings. Special offsets are angled for perfect accessibility and firm gripping.



Steering Gear Eccentric Wrench No. 2416

For Pontiac, Chevrolet, Buick and LaSalle

Drop Forged from Chrome Vanadium Steel

12-point opening $1\frac{5}{16}$ ". Length 5". Weight 5 ozs. Satin nickel with head polished.

LIST PRICE, each.....\$2.25

This special short, thin wrench is for adjusting the knee-action steering gear eccentric. The $1\frac{5}{16}$ ", 12-point box opening is only $\frac{3}{16}$ " thick to permit a full firm grip on the adjusting nut and the handle is 5" long for perfect clearance. Not guaranteed due to extreme thin head.



Steering Gear Eccentric Wrench No. 2417

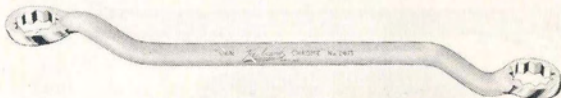
For Buick and Cadillac

Drop Forged from Chrome Vanadium Steel

12-point opening $1\frac{1}{8}$ ". Length $8\frac{3}{4}$ ". Weight 8 ozs. Plated in satin nickel with heads buffed bright.

LIST PRICE, each.....\$2.45

The extra thin $\frac{3}{16}$ " head with $1\frac{1}{8}$ ", 12-point box opening fits perfectly over the Buick steering gear adjusting nut. The $8\frac{3}{4}$ " handle provides the necessary leverage and is sufficiently short to clear all obstructions. Not guaranteed due to extreme thinness of head.



Steering Arm Nut Wrench No. 2415

For Chevrolet and Pontiac

Drop Forged from Chrome Vanadium Steel

The steering arm nuts on the new knee-action cars are set so close to the frame that it is almost impossible to reach them. This double end box type wrench with 1 1/4", 12-point openings has the heads forged at special angles to fit over and adjust these nuts.

12-point openings 1 1/4". Length 18". Weight 2 lbs. Finished in satin nickel with brightly polished heads.

LIST PRICE, each\$4.65



Front Spring Centering Nut Spanner No. 2413

For Chevrolet and Pontiac

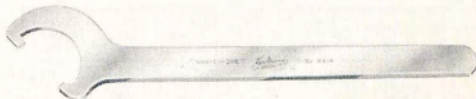
Drop Forged from Chrome Vanadium Steel



Equalizing the front spring suspension on the Pontiac knee-action requires this special Spanner. It is essential for adjusting, removing or replacing the front spring centering nut. Equipped with the 1/2" square drive service connection for the use of any standard handle unit and is conveniently used with S-10 Ratchet.

Diameter 2 1/2". Weight 10 ozs. Finished in satin nickel.

LIST PRICE, each\$2.65



Retainer Cap Spanner No. 2414

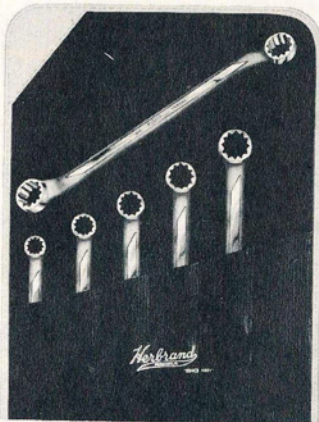
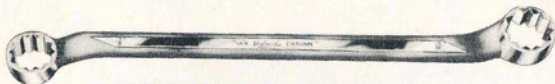
For Pontiac

Drop Forged from Chrome Vanadium Steel

The front spring housing retainer cap on early Pontiac knee-action must be removed to reach the inner centering nut for front spring suspension adjustment. No. 2414 is especially designed for this purpose and avoids damage to threads.

Length 18". Weight 2 lbs. Finished in satin nickel.

LIST PRICE, each\$4.65



Set No. 3901

"Van-Chrome" Ultra Box Wrenches

Modern—Special 30° Angle—Panelled Handles

Drop Forged from Chrome Vanadium Steel

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
3923	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{8}$ & $\frac{1}{4}$	$\frac{1}{4}$	6 $\frac{1}{2}$	1 10	\$1.00
3925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{3}{8}$ & $\frac{3}{8}$	$\frac{3}{8}$ & $\frac{3}{8}$	7 $\frac{1}{2}$	2 4	1.10
3927	$\frac{5}{8}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	8 $\frac{3}{4}$	3 6	1.20
3929	$\frac{5}{8}$ & $\frac{11}{16}$	.....	$\frac{7}{16}$ & $\frac{7}{16}$	$\frac{7}{16}$	9 $\frac{1}{2}$	4 8	1.25
3931	$\frac{3}{4}$ & $\frac{13}{16}$	.....	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{2}$	10 $\frac{3}{4}$	6 12	1.40
3933	$\frac{3}{4}$ & $\frac{15}{16}$	$\frac{3}{4}$	$\frac{9}{16}$	$\frac{9}{16}$ & $\frac{9}{16}$	12 $\frac{1}{4}$	8 10	1.85

Extra long

*3935	1 & $\frac{11}{16}$	.....	$\frac{3}{4}$ & $\frac{3}{4}$	$\frac{11}{16}$ & $\frac{3}{4}$	16	12 12	3.00
*3937	$\frac{11}{16}$ & $\frac{11}{16}$	.....	$\frac{7}{8}$ & 1	$\frac{7}{8}$	18	19 8	3.70
*3939	$\frac{11}{16}$ & $\frac{11}{16}$	$\frac{7}{8}$	1 & $\frac{11}{16}$	1	20	31 8	4.60

* Do not have embossed panel design

Packed 6 to the box

SET No. 3901 contains 6 wrenches, one each of Nos. 3923 to 3933.
 LIST PRICE, in fibre box \$7.80; in canvas bag \$8.00; in leather roll. \$8.70

SET No. 3902, one each of Nos. 3923, 3925, 3929, 3931, 3933.

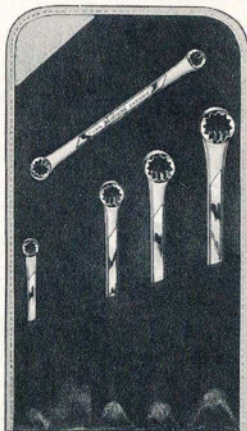
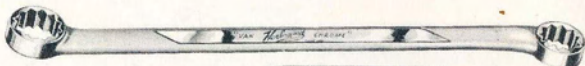
LIST PRICE, in fibre box \$6.60; in canvas bag \$6.80; in leather roll. \$7.50

Ultra in name, ultra in modern design, these wrenches are the utmost in versatility and offer the broadest scope of service. Herbrand introduces them after working extensively with mechanics in order to develop a box wrench to the highest degree of perfection, efficiency and better adapted to the service of modern cars.

Low and close clearances offer no difficulties of accessibility because the heads are distinctively angled at approximately 30 degrees. This new angle assures perfect clearance for both knuckles and head bolts but retains sufficient offset to reach countersunk or imbedded nuts with ample leverage for a strong pull and without any possibility of tilting. The extremely thin side walls of the 12-point openings are machined to exacting tolerances to snugly fit bolt heads or nuts for which they are sized. Chamfered both top and bottom so that either side may be used with equal facility, they locate and engage automatically.

Paintstakingly engineered to a very definite formula for perfect graduation and balance of length, size openings and clearance on today's compact motors. Beauty of appearance and perfect comfort of grip have been combined in the raised bar design which readily marks them as quality tools of distinction.

Individually drop forged from the finest Chrome Vanadium Steel and scientifically heat treated for life-time service. Handsomely triple plated in lustrous satin nickel with heads polished to mirror brightness.



Set No. 5920

"Van-Chrome" Ultra Box Wrenches

Latest—Special 10° Angle—Panelled Handles

Drop Forged from Chrome Vanadium Steel

Available in five sizes with 12-point different openings in each end, extra thin side walls, balanced graduated lengths, and openings chamfered both top and bottom for use from either side. Supplied individually or in complete sets.

Here is the latest addition to the famous Ultra Box Wrench family. Engineered with the utmost care and precision, this new style 10° angle wrench is built for perfect balance, ease of accessibility, maximum application and strength and gives the mechanic a new, modern box wrench that will out-perform any of its type.

A broad study of the exacting requirements and concentrated engineering have perfected this wrench to successfully cope with the complicated service problems encountered on the highly developed cars of today.

The heads are designed with a chamfer, both top and bottom, so that either side engages the nuts equally well in any position and the 12-point, thin side wall openings are precisely machined for a full, secure grip that will not slip. The angle of the handle affords generous clearance with the easy reach of a straight wrench and applies a powerful, direct force avoiding tilting, slipping and bruising of knuckles.

The distinctive, raised panelled handles identify them as the Ultra in the box wrench field. The length of the handles are carefully graduated to balance with the opening sizes for perfect coordination of clearance and pull.

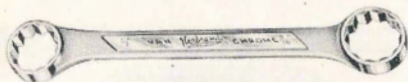
Precision drop forged from special Chrome Vanadium Steel and toughened by exacting heat treating methods. Attractively nickel plated in satin finish with mirror polished heads.

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
5923	$\frac{3}{8}$ & $\frac{1}{2}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{3}{16}$ & $\frac{1}{4}$	6 $\frac{1}{2}$	1 10	\$.90
5925	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{4}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{5}{8}$	7 $\frac{1}{2}$	2 ..	1.00
5927	$\frac{5}{8}$ & $\frac{3}{4}$	.....	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{5}{8}$ & $\frac{3}{4}$	8 $\frac{3}{8}$	3 2	1.10
5929	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{3}{8}$	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{3}{4}$ & $\frac{7}{8}$	9 $\frac{3}{4}$	4 4	1.25
5931	$\frac{7}{8}$ & 1	$\frac{1}{2}$	1 & 1 $\frac{1}{8}$	1 & 1 $\frac{1}{8}$	11	6 12	1.40

Packed 6 to the box

SET No. 5920 contains one each of the above five wrenches. Weight 1 lb. 6 ozs.

LIST PRICE, in fibre box.....\$5.65
LIST PRICE, in canvas bag.....5.85
LIST PRICE, in leatherette roll.....6.35



"Van-Chrome" Ultra Box Wrenches

Improved 15° Angle Pattern—Panelled Handles

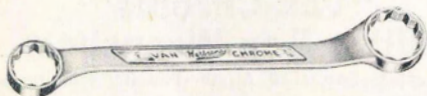
Drop Forged from Chrome Vanadium Steel

Careful drop forging from select Chrome Vanadium Steel, expert heat treatment, precision machining and panelled handles immediately identifies these Ultra Box Wrenches as super-quality tools of distinction. Triple plated in a two-tone satin nickel with the heads polished to a high lustre.

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
6923	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	.. $\frac{1}{4}$	$4\frac{1}{4}$	1 2	\$.90
6925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$..	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	5	1 14	1.00
6927	$\frac{5}{8}$ & $1\frac{1}{16}$	.. $\frac{3}{8}$	$\frac{7}{16}$..	$\frac{7}{16}$..	$5\frac{3}{4}$	2 10	1.05

SET No. 6920, contains one each of the above. Weight 8 ozs.

LIST PRICE, in box.....	\$2.95
LIST PRICE, in canvas bag.....	3.10
LIST PRICE, in pocket leatherette case.....	3.35



"Van-Chrome" Ultra Box Wrenches

Improved Short Offset Pattern—Panelled Handles

Drop Forged from Chrome Vanadium Steel

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
4923	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	.. $\frac{1}{4}$	$4\frac{1}{2}$	1 2	\$.95
4925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$..	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	$5\frac{1}{4}$	1 14	1.05
4927	$\frac{5}{8}$ & $1\frac{1}{16}$	.. $\frac{3}{8}$	$\frac{7}{16}$..	$\frac{7}{16}$..	6	3 ..	1.10

Packed 6 to the box

SET No. 4920, contains one each of the above. Weight 10 ozs.

LIST PRICE, in box.....	\$3.10
LIST PRICE, in canvas bag.....	3.25
LIST PRICE, in pocket leatherette case.....	3.50



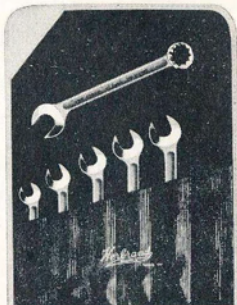
Set No. 6920

The national recognition and acceptance accorded the new Ultra Box Wrenches introduced by Herbrand has created a demand for a complete range of patterns. This new 15° angle design is a distinct engineering improvement; has slim, graceful lines, maximum accessibility, is faster in service and easier to handle.



Set No. 4920

Another Ultra Box Wrench with modified offset heads which is extremely practical and necessary for awkwardly placed nuts where the turning radius is limited. Distinguished by the panelled handles and refined engineering features, this wrench is precision built from the finest Chrome Vanadium Steel and attractively finished in two-tone nickel with polished heads.



Set No. 1227

"Van-Chrome" Multitype Wrenches

Combination Box and Open End
Drop Forged from Chrome Vanadium Steel

The new "Van-Chrome" Multitype is a dual-purpose wrench combining in one tool two types of openings—box and open end. The advantages instinctively appeal to every mechanic because the handy and practical combination of different type openings equip him for most emergencies. If one style opening is not adapted to the particular job simply flip the wrench over and use the other end.

These general service wrenches find a wide range of use and are especially adaptable for carburetor, manifold, clutch, generator and starter work.

The box end, with its 12-point opening, is offset at 15° to give the proper clearance for obstructions and knuckles. The open end is angled at 22½° for efficiency. Each end has the same size openings. Handles are panelled for a firm grip, and ease of handling.

The twelve popular sizes in which these wrenches are made cover at least 98 per cent of general service work. Drop forged from special analysis Chrome Vanadium Steel, accurately machined and heat treated all over for super-strength. Finished in triple satin nickel with heads polished to a high lustre.

Available in four different popular sets that meet every demand.

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
1212	3/8	..	3/8	..	4 1/2	1 2	\$.85
1214	7/16	..	7/16	1/2	5 1/2	1 5	.90
1216	1/2	3/4	1/2	3/4	5 1/2	1 8	1.00
1218	5/8	..	5/8	3/4	6 1/2	2 1	1.20
1220	3/4	..	3/4	1 1/4	6 1/2	2 10	1.30
1222	7/8	..	7/8	1 1/2	7 1/2	3 6	1.50
1224	1 1/8	..	1 1/8	1 3/4	8 1/2	4 6	1.65
1226	1 1/4	..	1 1/4	2 1/4	10 1/2	6 1	1.75
1228	1 1/2	..	1 1/2	2 3/4	12 1/2	6 6	1.85
1230	1 3/4	..	1 3/4	3 1/4	14 1/2	7 2	2.15
1232	2	..	2	3 3/4	15 1/2	10 10	2.40
1234	2 1/4	..	2 1/4	4 1/4	15 1/2	10 10	2.40

Packed six to the box

SET No. 1225, 1 each Nos. 1214, 1216, 1218 and 1220. Wt. 12 ozs.

LIST PRICE, in box \$4.40; in bag \$4.55; in leatherette case.....\$ 4.90

SET No. 1227, 1 each of the 6 sizes Nos. 1214 to 1224 inclusive. Weight 1 lb. 6 ozs.

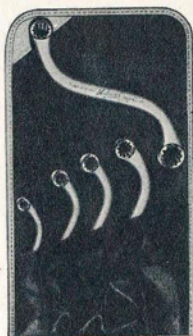
LIST PRICE, in box \$7.55; in bag \$7.70; in leatherette case.....\$ 8.15

SET No. 1229, 1 each of 10 sizes. Nos. 1212 to 1230. Weight 2 lbs. 12 ozs.

LIST PRICE, in box \$14.15; in bag \$14.35; in leatherette case.....\$14.75

SET No. 1231, 1 each of all 12 above sizes. Weight 5 lbs.

LIST PRICE, in box \$18.95; in bag \$19.15; in leatherette case.....\$19.55



Set No. 7720

"Van-Chrome" Obstructo Box Wrenches

"S" Pattern—Offset Heads

Drop Forged from Chrome Molybdenum Steel

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
7723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{1}{2}$	6	1 8	\$1.10
7725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{2}$..	$\frac{1}{2}$ & $\frac{3}{8}$	$\frac{3}{8}$ & $\frac{1}{2}$	7	3 ..	1.20
7727	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{1}{2}$ & $\frac{3}{8}$	8	4 8	1.30
7729	$\frac{11}{16}$ & $\frac{29}{32}$	$\frac{3}{4}$ & $\frac{1}{2}$	.....	$\frac{1}{2}$ & $\frac{3}{8}$	9	6 12	1.45
7731A	$\frac{3}{4}$ & $\frac{1}{2}$	.....	$\frac{1}{2}$ & $\frac{3}{8}$	$\frac{1}{2}$ & $\frac{9}{16}$	10	9 ..	1.65

Packed six to the box

SET No. 7720 comprises one each of 5 Obstructo Box Wrenches, Nos. 7723, 7725B, 7727, 7729 and 7731A. Weight 2 lbs. 6 ozs.

LIST PRICE, in fibre box.....\$6.70

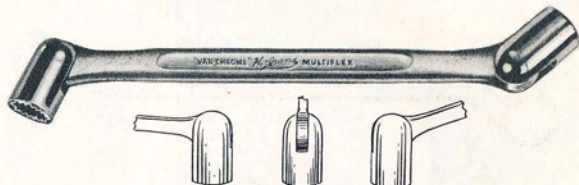
LIST PRICE, in canvas bag.....6.90

LIST PRICE, in pocket leatherette case.....7.40

Herbrand engineers working with automotive mechanics built this distinctive pattern wrench—the "Van-Chrome" Obstructo Box Wrench. The unique angles, curves and offsets of heads reach around obstructions and get those hidden nuts without removing interfering parts. A distinctive Herbrand feature is the unusual offset angle of the box heads which provides knuckle clearance and permits a full swing where space is limited.

The accurate 12-point broachings are chamfered to locate and engage nuts and bolts readily. The very thin side walls of the box heads make clearance free in limited quarters, yet require less than half the space for handle movement as an open end wrench. Well proportioned oval handles of the Obstructo Box Wrenches provide a positive, comfortable grip. These wrenches replace dozens of special tools and facilitate the work of mechanics, particularly in the time consuming, "tricky" places.

The "Van-Chrome" Obstructo Wrenches are drop forged from Chrome Molybdenum Steel, heat treated all over and carry the usual Herbrand guarantee. Handles are smoothly ground, double plated in handsome satin nickel with brightly polished heads. They are available in the most popular opening sizes, sold individually or in complete sets.



True to its name the Multiflex is both flexible and serves a multitude of uses, because it adjusts instantly to any angle. The swivel heads break over to 90°, are equipped with compression springs to retain any working position desired, and handle nuts and bolts even at the most awkward angles.

The extra deep 12-point sockets are *Hot Forged* which eliminates chatter marks and permits a full firm grip on bolts and nuts. The very thin, straight walls give maximum clearance and readily engage those sunken nuts which are not accessible to ordinary wrenches. Bolts and nuts locate readily in the 12-point socket openings because they are chamfered. With all the ability and free leverage of a solid wrench, yet working easily around interfering parts, the Multiflex reaches concealed nuts with a grip that eliminates the hazard of slipping and skinning knuckles or rounding corners of nuts and bolts.

Multiflex Box Wrenches are available in all popular opening sizes with different graduated openings at each end. Oval handles with panel design for comfortable grip. Satin nickel finish with brightly polished heads. Sold individually or in complete sets with ten opening sizes.



Set No. 6820

"Van-Chrome" Multiflex Box Wrenches

Swivel Heads

Drop Forged from Chrome Vanadium Steel

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
6823	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{1}{2}$	7 $\frac{3}{4}$	4 8	\$2.30
6825	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{2}$..	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{3}{4}$ & $\frac{7}{8}$	8 $\frac{3}{4}$	6 ..	2.50
6827	$\frac{5}{8}$ & $\frac{3}{4}$	.....	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{7}{8}$ & $\frac{1}{2}$	9	8 4	2.70
*6827V	$\frac{5}{8}$ & $1\frac{1}{16}$	.....	$\frac{7}{8}$..	$\frac{1}{2}$..	9	8 4	2.70
6829	$1\frac{1}{8}$ & $2\frac{5}{16}$	$\frac{3}{4}$ & $\frac{7}{8}$	.....	.....	10 $\frac{3}{4}$	11 4	3.00
6831	$1\frac{3}{8}$ & $\frac{1}{2}$	.. $\frac{1}{2}$	$\frac{3}{4}$ & $\frac{3}{8}$	.. $\frac{3}{4}$	11	13 8	3.20

*Especially sized for Ford V-8 service. Ideal for universal joints. Packed six to the box.

SET No. 6820 contains 1 each of Nos. 6823, 6825, 6827, 6829 and 6831. Weight 4 lbs.

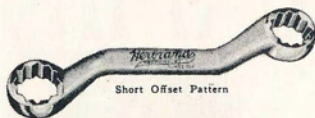
LIST PRICE, in fibre box.....\$13.70

LIST PRICE, in canvas bag..... 13.90

LIST PRICE, in pocket leatherette case..... 14.40



Long Offset Pattern



Short Offset Pattern

"Van-Chrome" Multihex Box Wrenches

Offset Patterns 45° Angle

Drop Forged from Chrome Molybdenum Steel

Short 45° Offset Pattern

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
4723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{8}$ & $\frac{1}{4}$	$\frac{1}{4}$	4 $\frac{1}{2}$	1 2	\$.70
4725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$..	$\frac{3}{8}$ & $\frac{3}{16}$	$\frac{3}{16}$ & $\frac{3}{8}$	5 $\frac{1}{4}$	1 14	.80
4727A	$\frac{5}{8}$ & $\frac{11}{16}$	.. $\frac{3}{8}$	$\frac{1}{2}$..	$\frac{3}{16}$..	6	3 ..	.90

Long 45° Offset Pattern

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
3723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{8}$ & $\frac{1}{4}$	$\frac{1}{4}$	8 $\frac{1}{2}$	2 4	\$.75
3725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$..	$\frac{3}{8}$ & $\frac{3}{16}$	$\frac{3}{16}$ & $\frac{3}{8}$	9	3 6	.85
3727	$\frac{5}{8}$ & $\frac{11}{16}$	.....	$\frac{1}{2}$..	$\frac{3}{16}$ & $\frac{1}{2}$	9 $\frac{3}{4}$	4 14	.95
3727A	$\frac{5}{8}$ & $\frac{11}{16}$	.. $\frac{3}{8}$	$\frac{1}{2}$..	$\frac{3}{16}$..	9 $\frac{3}{4}$	4 14	.95
3729A	$\frac{3}{4}$ & $2\frac{1}{2}$	.. $\frac{1}{2}$	$\frac{1}{2}$..	$\frac{1}{2}$	11	7 2	1.10
3731B	$1\frac{1}{8}$ & $\frac{7}{8}$	.. $\frac{1}{2}$	$\frac{3}{16}$ & $\frac{3}{8}$	$\frac{3}{16}$	12 $\frac{1}{2}$	8 10	1.30
3733C	$1\frac{1}{8}$ & 1	.....	.. $\frac{3}{4}$	$\frac{3}{8}$ & $1\frac{1}{16}$	14 $\frac{1}{2}$	14 ..	1.60

Packed six to the box

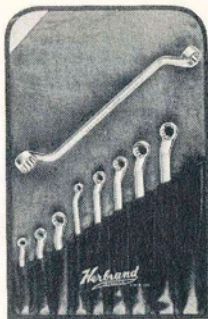
The $\frac{9}{16}$ " opening in No. 3727 is ideal for Chevrolet connecting rods. The $\frac{3}{4}$ " opening in No. 3729A is adapted to 6-cylinder Chevrolet main bearings. The $1\frac{3}{16}$ " opening in No. 3731B fits the 4-cylinder Chevrolet main bearings.

Do not confuse the genuine "Van-Chrome" Multihex Box Wrenches with similarly designed, cheaper wrenches. There is an essential difference because Multihex are precision built to the specifications of mechanics. They are drop forged from a special analysis Chrome Molybdenum Steel, individually machined to precision tolerances with clean, accurate 12-point openings that snugly fit the size nuts for which they are intended, and heat treated to a definite standard to render them break-proof. They are correctly designed for maximum speed and handling efficiency with extremely thin side walls to reach sunken nuts and a well proportioned handle for positive grip.

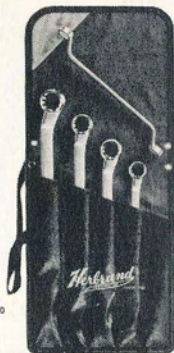
Available in two patterns—Short 45° Offset and Long 45° Offset Heads. The heads are set at the correct pitch and just the right degree of offset to clear the obstructions most commonly encountered. Each end has a different 12-point graduated opening, providing a range of sizes fitting all popular nuts. Here you have refinements of speed, efficiency and moderate price backed by a quality guarantee that assures perfect satisfaction. Finished in velvety, smooth double satin nickel over copper with heads polished to high lustre.



Set No. 3701



Set No. 3702



Set No. 3700

For the convenience of the mechanic and to provide readily saleable units, Multi-hex Wrenches in the 45° Angle Long and Short Offset Patterns are supplied in various practical assortments. These sets are obtainable in cardboard boxes, canvas drawstring bags or in the popular, distinctive Herbrand leatherette rolls which are flannel lined and have a separate pocket for each wrench. The well known Herbrand guarantee tag which is attached to each set protects purchaser, jobber and dealer.

Modern mechanics have come to realize that full sets of box wrenches in various angle and offset patterns are absolutely essential to provide complete equipment to meet the broad service demands of today. Herbrand's extensive assortment of box wrenches is the most complete available and makes it easy for the mechanic to gradually build up his equipment as his demands require.

"Van-Chrome" Multi-hex Box Wrench Sets

Offset 45° Angle Patterns

Drop Forged from Chrome Molybdenum Steel

SET No. 3701 comprises one each of the 3 Short 45° Offset Pattern Nos. 4723, 4725B and 4727A. Weight 10 ozs.

LIST PRICE, in box.....	\$ 2.40
LIST PRICE, in canvas bag.....	2.55
LIST PRICE, in pocket leatherette case.....	2.80

SET No. 3700 carries one each of 5 Long 45° Offset Box Wrenches, Nos. 3723, 3725B, 3727A, 3729A and 3731B. Weight 2 lbs. 8 ozs.

LIST PRICE, in box.....	\$ 4.95
LIST PRICE, in canvas bag.....	5.15
LIST PRICE, in pocket leatherette case.....	5.65

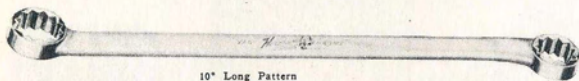
SET No. 3704 (not illustrated) contains one each of the 6 Long 45° Offset Pattern Nos. 3723, 3725B, 3727A, 3729A, 3731B and 3733C. Weight 3½ lbs.

LIST PRICE, in box.....	\$ 6.55
LIST PRICE, in canvas bag.....	6.75
LIST PRICE, in pocket leatherette case.....	7.45

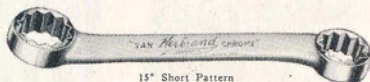
SET No. 3702 contains 9 wrenches, one each of the 3 Short 45° Offset Pattern Nos. 4723, 4725B, 4727A and one each of the 6 Long 45° Offset Type Nos. 3723, 3725B, 3727A, 3729A, 3731B and 3733C. Weight 4½ lbs.

LIST PRICE, in box.....	\$ 8.95
LIST PRICE, in canvas bag.....	9.15
LIST PRICE, in pocket leatherette case.....	10.05

These wrenches are described on page 94



10° Long Pattern



15° Short Pattern

"Van-Chrome" Multihex Box Wrenches

10° and 15° Angle Patterns

Drop Forged from Chrome Molybdenum Steel

Short 15° Angle Pattern

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
6723	$\frac{3}{8}$ & $\frac{1}{2}$	.....	$\frac{3}{8}$ & $\frac{1}{2}$	.. $\frac{1}{4}$	4	1 2	\$.70
6725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$..	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{3}{16}$ & $\frac{3}{8}$	4½	1 14	.75
6727A	$\frac{5}{8}$ & $\frac{1}{2}$	.. $\frac{3}{8}$	$\frac{1}{2}$..	$\frac{3}{16}$..	5	2 10	.85

Long 10° Angle Pattern

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
5723	$\frac{3}{8}$ & $\frac{1}{2}$	.....	$\frac{3}{8}$ & $\frac{1}{2}$	.. $\frac{1}{4}$	6¾	1 8	\$.80
5725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$..	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{3}{8}$ & $\frac{1}{2}$	7¾	3 ..	.90
5727	$\frac{5}{8}$ & $\frac{1}{2}$	.....	$\frac{1}{2}$..	$\frac{3}{8}$ & $\frac{1}{2}$	8¾	4 8	1.00
5729	$\frac{1}{2}$ & $\frac{23}{32}$	$\frac{3}{8}$ & $\frac{1}{2}$	.....	$\frac{1}{2}$..	10	6 12	1.15
5731A	$\frac{3}{4}$ & $\frac{1}{2}$	.. $\frac{1}{2}$	$\frac{1}{2}$ & $\frac{3}{8}$	$\frac{1}{2}$ & $\frac{3}{16}$	11¾	9 ..	1.30

Packed six to the box

Extra Long Pattern 5/8" Offset—50° Angle

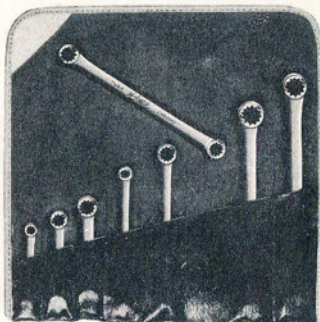
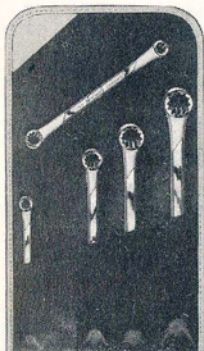
Drop Forged from Chrome Vanadium Steel

No. 251, twelve point openings $\frac{1}{16}$ " and $\frac{1}{16}$ ". Length 15". Weight 1 lb.

LIST PRICE, each.....\$2.90

Easy knuckle clearance of an offset wrench with the accessibility of a straight wrench, applying a direct, powerful pull on the nut. There is no tendency to tip or slip off when full force is exerted. An important feature is the fact that either side of the wrench opening may be used which is not possible with the 45° offset pattern. These wrenches are perfectly balanced and light weight for more efficient handling and have extremely thin walled openings for maximum accessibility.

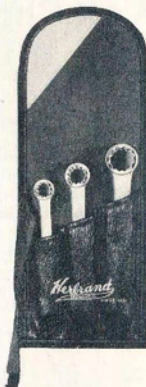
Herbrand makes these wrenches in the Short 15° Angle and the Long 10° Angle Patterns to meet every need. Each pattern has been carefully engineered to give the necessary leverage yet sufficiently short to clear major obstructions. The clean cut 12-point openings are individually broached to insure precision and a full, firm fit on the size nuts for which intended. The top of the box socket is chamfered so that nuts readily locate in the openings. Available in all the popular sizes with a different opening in each end. Smoothly hand ground all over and finished in double satin nickel over copper with the heads polished and buffed to mirror brightness.



Set No. 5721

Set No. 5720

Set No. 3703



"Van-Chrome" Multihex Box Wrenches in the Short 15° Angle and the Long 10° Patterns are available in set combinations of the most necessary sizes. They are packed in boxes, drawstring canvas bags or beautiful leatherette cases which are flannel lined and provide an individual compartment for each wrench. A Herbrand guarantee tag is attached to each set of the "Van-Chrome" Multihex Box Wrenches which insures the purchaser complete satisfaction.

The wrenches in these sets are genuine "Van-Chrome" Multihex Box Wrenches which are drop forged from Chrome Molybdenum Steel, individually broached, smoothly ground, heat treated all over and finished in double satin rust resisting nickel with brightly polished heads.

"Van-Chrome" Multihex Box Wrench Sets

10° and 15° Angle Patterns

Drop Forged from Chrome Molybdenum Steel

SET No. 3703 comprises one each of the 3 Short 15° Angle Pattern Nos. 6723, 6725B and 6727A. Weight 2 lbs. 6 ozs.

LIST PRICE, in box.....	\$2.30
LIST PRICE, in canvas bag.....	2.45
LIST PRICE, in pocket leatherette case.....	2.70

SET No. 5720 consists of 5 Long 10° Angle Box Wrenches, Nos. 5723, 5725B, 5727, 5729, and 5731A. Weight 2 lbs. 6 ozs.

LIST PRICE, in box.....	\$5.15
LIST PRICE, in canvas bag.....	5.35
LIST PRICE, in pocket leatherette case.....	5.85

SET No. 5721 is a complete assortment carrying 1 each Nos. 6723, 6725B, 6727A, Short 15° Pattern and Nos. 5723, 5725B, 5727, 5729 and 5731A in the Long 10° Angle Pattern, 8 Wrenches in all. Weight 3 lbs.

LIST PRICE, in box.....	\$7.45
LIST PRICE, in canvas bag.....	7.65
LIST PRICE, in pocket leatherette case.....	8.55

These wrenches are described in detail on page 96



'Van-Chrome' Heavy Duty Box Wrenches

15° Angle—For Tubular Handles

Drop Forged from Chrome Vanadium Steel

This 15° Angle 12-point Pattern is one of three practical designs for extra heavy service on trucks, buses, tractors, road machinery, steam shovels, railroads, ships, all heavy industrial machinery and structural work. Drop forged from the finest Chrome Vanadium Steel and heat treated for extra power to withstand extreme abuse. Triple plated in satin nickel with polished heads.

Wrench No.	Size Opening	Head Thickness	Length	Shank Size	Weight Ea. Lbs. Ozs.	List Price Each
943	1 1/4	1 1/16	8 1/2	3/8	1 4	\$2.90
944	1 1/2	1 1/16	8 1/2	3/8	1 4	3.75
945	1 3/8	1 1/16	8 1/2	3/8	1 8	4.55
946	1 1/2	1 1/16	8 1/2	3/8	1 8	4.55
947	1 1/2	1 1/16	8 1/2	3/8	1 12	5.00
948	1 3/8	1	10	1	2 4	5.70
949	1 1/2	1	10	1	2 8	6.05
950	1 1/2	1 1/16	10	1	2 12	6.20
951	1 3/8	1 1/16	10	1	2 12	7.75
952	2	1 1/8	10	1	3	7.75
953	2 1/8	1 1/8	10	1	3	8.50
954	2 1/4	1 1/4	10	1	3 4	8.50

Nos. 943 to 947 inclusive are for use with Handle No. 920. Larger sizes take Handle No. 921.

Super-powered for heavy nut turning work, these New Herbrand Wrenches will break loose or tighten large diameter nuts with a minimum of effort because of extra leverage, special design and toughness. Perfectly balanced, they are lighter in weight and easier to use in close quarters than any other heavy wrenches. The 15° angle head gives them plenty of clearance and the 12-point openings take a solid hold on all faces of the nut with no danger of slipping, spreading or twisting.

On heavy nut turning jobs, the safety factor is vitally important. These Wrenches give complete confidence because they eliminate hazards of breaking or slipping under the hardest pull.

A positive lock-on device holds the Wrenches firmly on the Interchangeable Handles which are specially designed to give them that extra power and leverage.



Tubular Handles

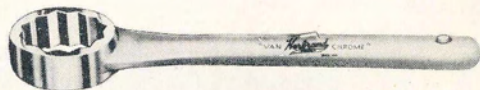
Interchangeable for Use on All Heavy Duty Box Wrenches

The Tubular Handles come in 24" and 30" lengths with inside diameters of 7/8" and 1" to fit the complete range of all types and sizes of "Van-Chrome" Heavy Duty Box Wrenches; the 15° Angle Pattern, the Straight Pattern and the Double Offset Pattern. Triple plated in satin nickel.

Handle No.	Inside Diameter	Outside Diameter	Length	Weight Each Lbs. Ozs.	List Price Each
920	7/8	1 1/8	24	2 8	\$4.55
921	1	1 1/4	30	3 8	6.25

Herbrand's Extra Leverage Handles for all Heavy Duty Box Wrenches are made from the finest seamless steel tubing. Both ends are drilled to insure positive locking on the spring plungers built into the ends of the wrenches. The forged stop on the shank of the wrench readily locates the locking device for perfect engagement of the Handle. All three patterns of the Heavy Duty Wrenches are interchangeable on the Handles and the combination of any two used for a double end wrench.

This Straight Pattern Heavy Duty Box Wrench is designed for a direct, powerful pull where there are no clearance problems that require an offset or angle wrench. The heads are sufficiently thin to reach and turn nuts where ordinary cumbersome wrenches are useless. Lighter in weight than other heavy service wrenches, yet exert tremendous power and will not tilt under the heaviest pressure. Drop forged from Chrome Vanadium Steel and heat treated throughout to stand terrific strains. The 12-point box type openings are accurately sized to take hold with a slip-proof grip. They are equipped with the Herbrand positive lock-on device for use with all steel Tubular Handles.



'Van-Chrome' Heavy Duty Box Wrenches

Straight Pattern—For Tubular Handles

Drop Forged from Chrome Vanadium Steel

Wrench No.	Size Opening	Head Thickness	Length	Shank Size	Weight Ea. Lbs. Ozs.	List Price Each
923	1 1/4	1 1/16	8 1/2	7/8	1 4	\$2.90
924	1 3/16	1 1/16	8 1/2	7/8	1 4	3.75
925	1 3/8	1 1/16	8 1/2	7/8	1 8	4.55
926	1 7/8	1 3/16	8 1/2	7/8	1 8	4.55
927	1 1/2	1 3/16	8 1/2	7/8	1 12	5.00
928	1 5/8	1 3/16	10	1	2 4	5.70
929	1 3/4	1	10	1	2 8	6.05
930	1 13/16	1 1/16	10	1	2 12	6.20
931	1 7/8	1 1/16	10	1	2 12	7.50
932	2	1 3/8	10	1	3	7.50
933	2 1/16	1 3/8	10	1	3	8.15
934	2 1/4	1 3/4	10	1	3 4	8.15

Numbers 923 to 927 inclusive take Handle No. 920. Larger sizes take Handle No. 921.



'Van-Chrome' Heavy Duty Box Wrenches

Double Offset Pattern—For Tubular Handles

Drop Forged from Chrome Vanadium Steel

Wrench No.	Size Opening	Head Thickness	Length	Shank Size	Weight Ea. Lbs. Ozs.	List Price Each
963	1 1/4	1 1/16	6 1/2	7/8	1 4	\$3.30
964	1 3/16	1 1/16	6 1/2	7/8	1 4	4.15
965	1 3/8	1 1/16	6 1/2	7/8	1 8	5.55
966	1 7/8	1 3/16	6 1/2	7/8	1 8	5.55
967	1 1/2	1 3/16	6 1/2	7/8	1 12	6.00
968	1 5/8	1	8	1	2 4	7.25
969	1 3/4	1	8	1	2 8	7.55
970	1 13/16	1 1/16	8	1	2 12	7.75
971	1 7/8	1 1/16	8	1	2 12	9.00
972	2	1 3/8	8	1	3	9.00
973	2 1/16	1 3/8	8	1	3	9.65
974	2 1/4	1 3/4	8	1	3 4	9.65

Nos. 963 to 967 inclusive are for use with Handle No. 920. Larger sizes take Handle No. 921.

Conditions are frequently encountered in heavy duty work that require this Double Offset Wrench. When hooked up with the Tubular Handles these "Van-Chrome" Box Wrenches provide a long reach and ample leverage to handle the toughest pull. All these combinations are well balanced for ease of operation and speed up work that is ordinarily slow with heavy, cumbersome tools. In addition to doing the work of ponderous standard stock tools, they replace numerous, costly special hand-made wrenches. Only the finest grade of Chrome Vanadium Steel is used in drop forging and thorough heat treating insures rugged dependability. Triple plated.



Specialized Tire Service Board No. SS-15

Tire service demands the utmost in speed. There never was a time when modern equipment was more vital to profits and success and modern merchandising demands that you give visual demonstration that your station is equipped to give quick, dependable, ONE-STOP service.

These all metal portable boards are constructed from heavy gauge steel, strongly reinforced with a sturdy easel back and supported on rigid legs. The conveniently located carrying handle makes it easy to move from job to job. Tool holders are welded to the board and shaped so that the tools will not fall off. There is a handy tray at the bottom for holding extra valve stems and other parts.

No. SS-15 Board carries an assortment of fifteen modern speed tools specially designed for easier and better tire changes and repair work. They are listed below and fully described on pages 104 to 119.

Tool No.	Description	List Price Each
1126	Straight Spoon Type 18" Tire Iron, Paddle Shaped Blades.....	\$1.10
1127	Curved Spoon Type 18" Tire Iron, Blunt End for Dual Tires.....	1.15
1124	Rim and Ring Unlocking Tool, Two Tools in One, 19" long.....	1.25
1125	Long Leverage Rim and Tire Iron, Designed for speed, 20" long.....	1.00
1128	Adjustable Tire Spreader with Revolving Spindles, 18½" long.....	2.10
1130	Chrome Alloy Tire Hammer, Extremely Tough, Weight 3½ lbs.....	2.50
1131	Special Tire Awl, Tapered Blade, Blunt Point, Hand Fit Handle.....	.30
1132	Tire and Rim Brush, Curved Handle, 14" long.....	.50
1133	Tire Mallet, Resilient, Solid Rubber Head, 15" long.....	1.40
171	Valve Stem Base Nut Wrench, 12-point Openings, Double Offset Heads.....	.70
172	Valve Stem Holding Tool, Oval Openings, Double Heads.....	.70
173	Valve Stem Jam Nut Wrench, Drop Forged, 12-point Openings.....	1.40
403	Special Flat Cold Chisel, ⅝" Blade, 6" long.....	.70
443	Small Pin Punch, ⅝" point, 6" long.....	.55
1050-X	Four Way Rim Wrench, One Piece, Drop Forged, No Welds.....	1.50

Size of board 27" x 32". Weight complete with tools 44 lbs.

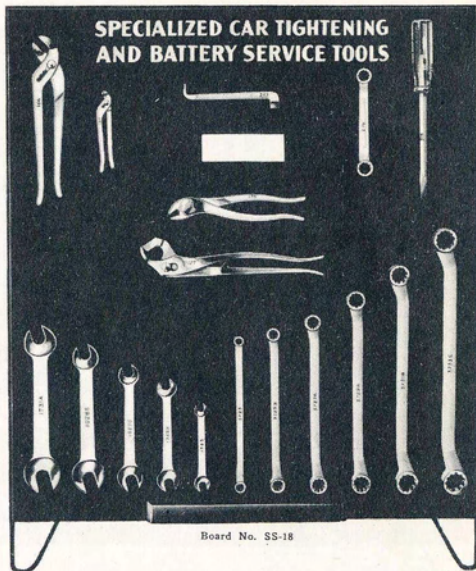
LIST PRICE, board only.....	\$ 7.50
LIST PRICE, tools only.....	16.85
LIST PRICE, complete, board and tools.....	24.35

Specialized Car Tightening and Battery Service Board No. SS-18

Car tightening can be done very economically and profitably with Herbrand Specialized Service Tools. Extra profits are easily made where this powerful array of tools is in evidence to suggest additional work to your trade.

The tools on this board will enable you to render efficient service on bumpers, fenders, running boards, floor boards, hood clamps, spring bolts, instrument boards, wheels, engine bolts, body bolts, axle bolts—in fact any tightening job or battery work.

No. SS-18 Board carries one each of the tools listed in the table below, which were selected by expert mechanics as being necessary for efficient car tightening and battery service.

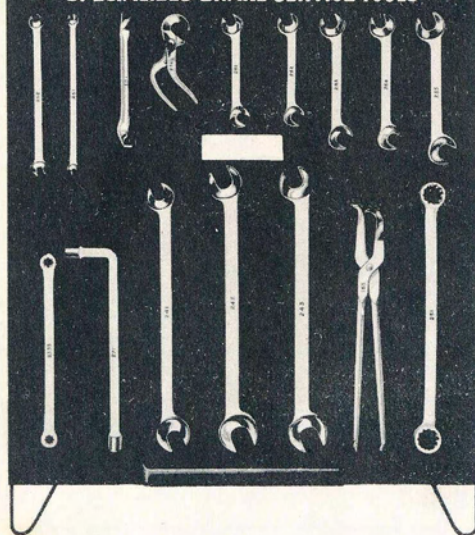


Tool No.	Description	List Price Each
3723	Box Wrench, $\frac{3}{8}$ " and $\frac{7}{16}$ " Twelve Point Openings, Chrome Vanadium Steel	\$.75
3725B	Box Wrench, $\frac{1}{2}$ " and $\frac{9}{16}$ " Twelve Point Openings, Chrome Vanadium Steel	.85
3727A	Box Wrench, $\frac{5}{8}$ " and $1\frac{1}{16}$ " Twelve Point Openings, Chrome Vanadium Steel	.95
3729A	Box Wrench, $\frac{3}{4}$ " and $1\frac{1}{8}$ " Twelve Point Openings, Chrome Vanadium Steel	1.10
3731B	Box Wrench, $1\frac{1}{4}$ " and $1\frac{3}{8}$ " Twelve Point Openings, Chrome Vanadium Steel	1.30
3733C	Box Wrench, $1\frac{5}{8}$ " and 1" Twelve Point Openings, Chrome Vanadium Steel	1.60
1723	Open End Wrench, $\frac{3}{8}$ " and $\frac{7}{16}$ " Openings, 15° Angle, "Van-Chrome"	.70
1725B	Open End Wrench, $\frac{1}{2}$ " and $\frac{9}{16}$ " Openings, 15° Angle, "Van-Chrome"	.95
1027C	Open End Wrench, $\frac{5}{8}$ " and $1\frac{1}{16}$ " Openings, 15° Angle, "Van-Chrome"	1.15
1028S	Open End Wrench, $\frac{3}{4}$ " and $1\frac{1}{8}$ " Openings, 15° Angle, "Van-Chrome"	1.35
1731A	Open End Wrench, $\frac{3}{4}$ " and $\frac{7}{8}$ " Openings, 15° Angle, "Van-Chrome"	1.80
166-S	"Van-Chrome" Water Pump and General Service Plier	1.80
167-S	"Van-Chrome" Midget Electrical and Ignition Plier	1.35
353	Offset Screw Driver, Chrome Tungsten Steel, $5\frac{1}{4}$ " long	.85
316	Insulated Handle Screw Driver, 6" Blade, $\frac{1}{4}$ " Square Stock	1.35
177-S	Patented Battery Terminal Lifter and Scraper	2.90
179-S	"Van-Chrome" Battery Plier, Improved Type, 30° Angle Jaws	1.70
276	Battery and Starter Nut Wrench, $\frac{3}{4}$ " and $\frac{9}{16}$ ", Twelve Point Openings	.75

Size of Board 27" x 32". Weight complete with tools 31 lbs.

LIST PRICE, board only	\$ 7.50
LIST PRICE, tools only	23.20
LIST PRICE, complete, board and tools	30.70

SPECIALIZED BRAKE SERVICE TOOLS



**Specialized
Brake Service
Board No. SS-16**

To meet present day competition of ONE-STOP service stations ultra modern service equipment is absolutely necessary. This board represents not just an ordinary collection of tools but a highly specialized assortment for the scientific adjustment of brakes to conform to safety standards.

No. SS-16 Board carries one each of the tools listed in the table below which are illustrated and described in detail on pages 125 to 133. Has the required tools for work on Bendix, Lockheed-Hydraulic, Midland-Steeldraulic and individual types.

These boards are fabricated from heavy gauge steel. The round grip handle in the center permits carrying right to the job.

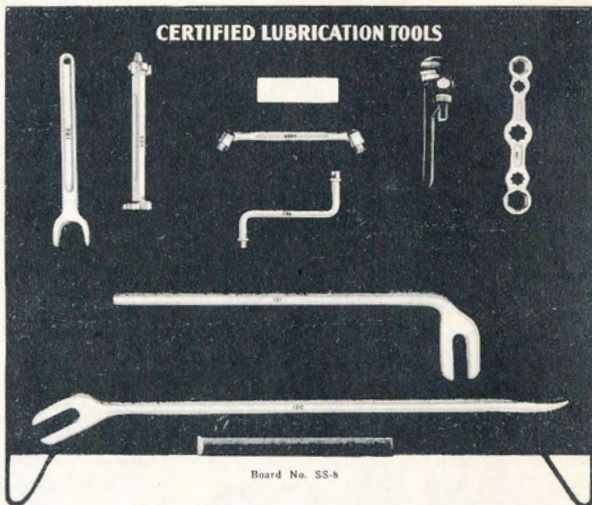
Tool No.	Description	List Price Each
241	Special Extra Long Open End Wrench, $\frac{3}{4}$ " and $\frac{7}{8}$ " Openings, $22\frac{1}{2}$ " Angle	\$3.10
242	Special Extra Long Open End Wrench, $1\frac{1}{16}$ " and $1\frac{1}{8}$ " Openings, $22\frac{1}{2}$ " Angle	3.30
243	Special Extra Long Open End Wrench, 1" and $1\frac{1}{8}$ " Openings, $22\frac{1}{2}$ " Angle	3.30
251	Special Extra Long Box Wrench, $1\frac{1}{16}$ " and $1\frac{1}{8}$ ", 12-point Opening	2.90
183	Brake Spring Plier, Extra Long, For removing and replacing brake shoe springs	3.30
261	Eccentric Brake Adjusting Wrench, $\frac{3}{16}$ " and $\frac{1}{4}$ " Openings, 9" long	1.40
262	Eccentric Brake Adjusting Wrench, $\frac{3}{16}$ " and $\frac{3}{8}$ " Openings, 9" long	1.40
271	Special Offset Socket Wrench, $\frac{3}{16}$ " 6-Point Openings, $2\frac{1}{2}$ " offset	1.60
272	Steeldraulic Brake Plier, Special Curved Handles	2.30
281	Special Angle Brake Wrenches, $\frac{3}{16}$ " Openings, $22\frac{1}{2}$ " and $62\frac{1}{2}$ " Angle heads	1.20
282	Special Angle Brake Wrenches, $\frac{1}{2}$ " Openings, $22\frac{1}{2}$ " and $62\frac{1}{2}$ " Angle heads	1.20
283	Special Angle Brake Wrenches, $1\frac{1}{16}$ " Openings, $22\frac{1}{2}$ " and $62\frac{1}{2}$ " Angle heads	1.50
284	Special Angle Brake Wrenches, $\frac{3}{4}$ " Openings, $22\frac{1}{2}$ " and $62\frac{1}{2}$ " Angle heads	1.50
285	Special Angle Brake Wrenches, $\frac{7}{8}$ " Openings, $22\frac{1}{2}$ " and $62\frac{1}{2}$ " Angle heads	1.75
301	Star Nut Brake Adjusting Tool, for cog screw on Bendix Brakes, 8" long	.80
2333	Ford Brake Adjusting Wrench, $\frac{3}{16}$ " and $\frac{1}{2}$ " 8-point Openings, 11" long	1.30

Size of board, 27" x 32". Weight complete with tools, 32 lbs.

LIST PRICE, board only	\$ 7.50
LIST PRICE, tools only	31.85
LIST PRICE, complete, board and tools	39.35

Certified Lubrication Tool Board No. SS-8

Herbrand Specialized Greasing Tools are universally known and accepted as the standard throughout the industry. They have been carefully engineered to get maximum results without the hazard of bending, distorting or otherwise damaging costly parts on cars. These tools will improve service, save time and cut costs.

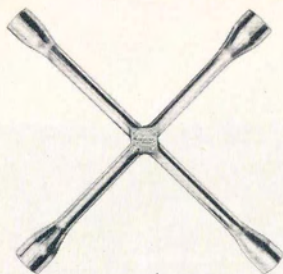


New features on the modern car have created many more lubricating points which demand more frequent lubrication. The business of correct, specialized lubrication has been growing steadily and service station men realize the importance of replacing obsolete, inefficient, and unprofitable equipment because the modern equipped stations are getting the business.

Tool No.	Description	List Price Each
190	One-Man Grease Bar for Frozen Shackles, 25° Angle Head to clear obstructions. Three spring leaf capacity. Drop Forged from Tool Steel. Octagon Handle 30" long. Nickel plated	\$2.60
191	Grease Bar for Front Spring Shackles, 90° Angle Head for maximum handling efficiency. Drop Forged from 3/4" Octagon Tool Steel, 20" long. Satin Nickel	2.10
192	Greasing Tool for Tyron Shackles, Drop Forged from Chrome Alloy Steel, Length 11". Nickel Plated	1.10
193	Drain Plug Wrench for all female plugs, Ten Sizes in One Tool, Drop Forged from Chrome Alloy Steel 9" long. Satin Nickel	1.70
194	Drain Plug Wrench for all male plugs, Seven Wrenches in One Tool. Has different six point and eight point openings sized to fit all late cars.	1.90
290	Clutch Plug Wrench for Hudson Essex, 3/8" square one end and 7/16" hexagon the other . . . . .	.65
6825	Clutch Pan Nut Wrench, for Chrysler, Dodge, DeSoto and Plymouth, Swivel Heads adjust to any angle. Twelve Point Openings 1/2" and 3/16"	2.50
8	Super-Strength Pipe Wrench, 8" long, Drop Forged Alloy Steel Jaw. Black Enamel	1.70

Size of Board 27" x 32". Weight, tools and board 36 lbs.

LIST PRICE, board only	\$ 7.50
LIST PRICE, tools only	14.25
LIST PRICE, complete, board and tools	21.75



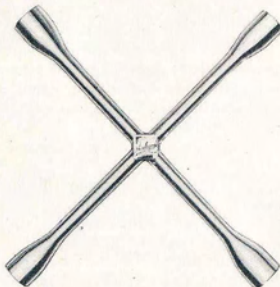
"Van-Chrome" Four-Way Rim Wrench No. 1052X

Extra Long for Wide Fender Clearance

Drop Forged Solid from Chrome Vanadium Steel

Forged with deep popular openings of $\frac{5}{8}$ ", $\frac{3}{4}$ ", $1\frac{1}{16}$ " and $\frac{7}{8}$ ". Length 15". Weight 2 lbs. 12 ozs. 12 to the carton. Triple plated in rust proof satin nickel with brightly polished sockets.

LIST PRICE, each.....\$3.30



Four-Way Rim Wrench No. 1051X

Extra Long—New Improved Design

Drop Forged in One Piece—No Welds

Openings $\frac{5}{8}$ ", $\frac{3}{4}$ ", $1\frac{1}{16}$ " and $\frac{7}{8}$ ". Satin nickel finish. Length 15". Weight 2 lbs. 12 ozs. Packed 12 to the box.

LIST PRICE, each.....\$1.60

Herbrand
FREMONT, O.
"SINCE 1881"

A new, solid drop forged, Chrome Vanadium Steel Wrench that is extra long, light in weight and amazingly strong.

The modern car with its wide, apron fenders requires this extra size 4-Way Rim Wrench for clearance and to safeguard knuckles. Extra speed and leverage are provided with the 15 inch reach.

It has extra deep solid forged sockets that fit down snugly over the nuts, and the backs of the heads are tapered to readily clear on all types of wheels. Solid, one piece drop forging with no riveted or welded parts to loosen, bend or break. Heat treated from end to end, smoothly ground and attractively finished in triple satin nickel. Sockets polished.

Powerful leverage to break loose the most stubborn nut and plenty of clearance for faster work on modern cars are featured in this new 4-Way Rim Nut Tool. It is 15" long for knuckle protection and to clear the wide, apron fenders used today.

A solid one-piece drop forging that will give satisfactory service. The sockets are accurately sized for a snug fit on the rim nuts. The entire wrench is designed for maximum clearance and perfectly balanced for speed.



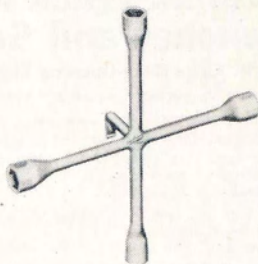
Four-Way Rim Wrench No. 1050 X

Drop Forged in One Piece—No Welds

This standard 4-Way Wrench has extra deep sockets and a long taper back of the head for clearance on all type wheels. Herbrand quality throughout, embodying the famous Herbrand features that are exclusive—solid one piece drop forging with no welded or riveted parts to loosen or break. Forged with the popular openings $\frac{5}{8}$ ", $\frac{3}{4}$ ", $1\frac{1}{16}$ " and $\frac{7}{8}$ ", it fits most passenger car and light model truck rim nuts. Heat treated all over, smoothly ground and finished in satin rustproof nickel.

Openings $\frac{5}{8}$ ", $\frac{3}{4}$ ", $1\frac{1}{16}$ " and $\frac{7}{8}$ ". Satin nickel finish.
 Length 13". Weight 2 lbs. 4 ozs. Packed 12 to the box.

LIST PRICE, each.....\$1.50



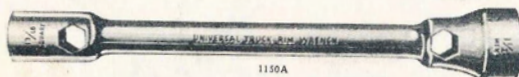
Four-Way Rim Wrench and Hub Cap Remover No. 1055 X

Solid Drop Forged Wrench

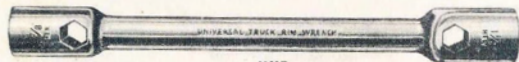
Added to the popularity of the 4-Way Rim Wrench above described is the easy Hub Cap Removing Feature. It is perfectly designed to pull all caps instantly without marring either the cap or the wheel. The hub cap prong is permanently anchored into the one piece drop forged wrench and it cannot come loose or break. Equipped with the four popular opening sizes $\frac{5}{8}$ ", $\frac{3}{4}$ ", $1\frac{1}{16}$ " and $\frac{7}{8}$ ", to fit the wheel nuts on most passenger cars and light model trucks. Heat treated all over. Satin nickel finish.

Openings $\frac{5}{8}$ ", $\frac{3}{4}$ ", $1\frac{1}{16}$ " and $\frac{7}{8}$ ". Satin nickel finish.
 Length 13". Weight 2 lbs. 4 ozs. Packed 6 to the box.

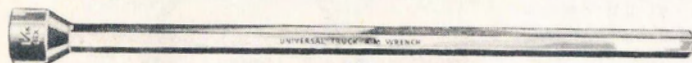
LIST PRICE, each.....\$1.75



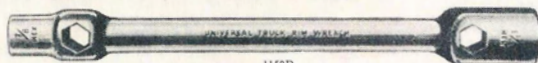
1150A



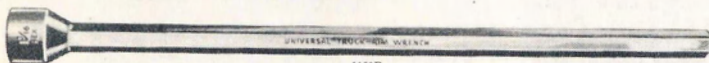
1150B



1150C



1150D



1150E

Universal Truck Rim Wrenches and Sets

Eight Extra Deep Opening Sizes

Forged Solid—No Welds

Forged from solid bars of steel, with extra deep powerful sockets, expertly heat treated and finished in satin nickel.

No. 1150A, openings $1\frac{1}{2}$ " square, $1\frac{1}{8}$ " hex and $1\frac{1}{2}$ " hex. Length 15 $\frac{3}{4}$ ". Weight 4 lbs. 9 ozs.

LIST PRICE, each.....\$1.95

No. 1150B, openings $\frac{5}{8}$ " square, $\frac{7}{8}$ " hex and $1\frac{1}{4}$ " hex. Length 15 $\frac{3}{4}$ ". Weight 4 lbs. 6 ozs.

LIST PRICE, each.....1.95

No. 1150C, Leverage Bar has $1\frac{1}{2}$ " hex opening. Length 20". Weight 3 lbs.

LIST PRICE, each.....1.50

No. 1150D, Chrome Alloy Steel, openings $\frac{7}{8}$ " hex and $1\frac{1}{2}$ " hex. Length 15 $\frac{3}{4}$ ". Weight 4 lbs.

LIST PRICE, each.....2.30

No. 1150E, Leverage Bar, has $1\frac{1}{2}$ " hex opening. Length 20". Weight 3 lbs.

LIST PRICE, each.....1.50

SET No. 1150T, complete with one each of Nos. 1150A, 1150B and 1150C. Weight 13 lbs.

LIST PRICE, complete.....5.40

SET No. 1152T, complete with one each of Nos. 1150A, 1150B, 1150D and 1150E. Weight 16 lbs.

LIST PRICE, complete.....7.70

When powerful, pulling leverage is needed, these wrenches never fail. They carry the combination of eight openings (two square openings at the base of the hex sockets in Nos. 1150A and 1150B) which make the set universal for truck rim work.

No. 1150A is equipped with the three necessary opening sizes to make it a complete Ford wheel nut wrench, fitting Budd wheels. No. 1150B carries the three required openings to service all Chevrolet dual wheels. The $1\frac{1}{4}$ " opening in 1150B will also fit Mack and other truck rim nuts.

No. 1150D is equipped with forged hexagon openings of $\frac{7}{8}$ " and $1\frac{1}{2}$ " which is an ideal combination for rim work on International trucks. Chrome Alloy Steel is used for this wrench because extra thin heads are necessary for clearance.

The 20" Hex Handle No. 1150C has a $1\frac{1}{2}$ " 6-point socket.

Leverage Bar No. 1150E has a $1\frac{1}{2}$ " hex opening which is necessary to service Motor Wheel rims, Reo, Federal, G.M.C. etc. It also forms a T handle with any of the wrenches illustrated.

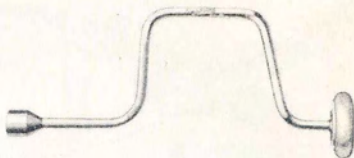
That extra measure of value characteristic of all Herbrand tools has also been built into these Brace Rim Wrenches. The revolving cap handle of the type illustrated fits the hand snugly and permits the wrench to spin freely after loosening the nut. The solid forged sockets are extra deep to permit a firm grip on the acorn nuts used on wire and disc wheels. The liberal $5\frac{1}{4}$ " throw produces a powerful leverage and the extra long $6\frac{1}{4}$ " shank provides ample clearance.



Simplicity is the keynote of this sturdy, low-priced wrench. It is forged from a single piece of high carbon steel, heat treated throughout, and the socket cannot break, spread or twist off at the shank. It has a $5\frac{1}{4}$ " throw for powerful leverage on wire wheels. Made in five sizes.



Combined in this wrench are the two popular socket sizes, $\frac{3}{4}$ " and $1\frac{1}{16}$ ", most frequently used for tire changes. It is forged from one piece of steel and has hardened sockets that cannot break, spread, nor twist off at the shank. The powerful leverage produced by the $5\frac{1}{4}$ " throw will break loose rusted or frozen nuts.

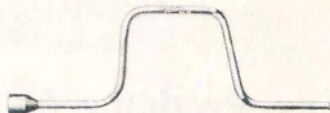


Solid Forged Brace Rim Wrenches With Revolving Cap Handle

Available in five sizes: No. 1010, $\frac{5}{8}$ "; No. 1011, $1\frac{1}{16}$ "; No. 1012, $\frac{3}{4}$ "; No. 1013, $1\frac{3}{16}$ "; No. 1014, $\frac{7}{8}$ ". Length $15\frac{1}{4}$ ". Wt. 1 lb. 8 ozs.

LIST PRICE, each, Black enamel finish.....\$.55

LIST PRICE, each, Satin nickel finish......60



With Plain Handle

No. 1110, $\frac{5}{8}$ "; No. 1111, $1\frac{1}{16}$ "; No. 1112, $\frac{3}{4}$ "; No. 1113, $1\frac{3}{16}$ "; No. 1114, $\frac{7}{8}$ ". Length 17". Weight 1 lb. 8 ozs.

LIST PRICE, each, Black enamel finish.....\$.50

LIST PRICE, each, Satin nickel finish......55

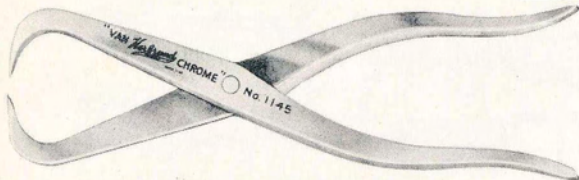


With Double Socket

No. 1213, $\frac{3}{4}$ " and $1\frac{3}{16}$ ". Length 17". Weight 1 lb. 10 ozs.

LIST PRICE, each, Black enamel finish.....\$.60

LIST PRICE, each, Satin nickel finish......65



Wheel Balancing Weight Tongs No. 1145

For Removing Balance Weights from Rims

Drop Forged from Chrome Alloy Steel

Length 8½". Weight 6 ozs. Packed 6 to the box. Satin nickeled.

LIST PRICE, each.....\$2.00

High speeds, small diameter wheels, smooth pavements and many other conditions have increased the demand for balancing weights, creating an ever growing wheel balancing service. The twin-jaws of these Tongs are pointed and wedge shaped to slide under the clips so that the plier action of the tool lifts the weights readily without distortion or damage to weight clips, rims or wheels.



Tire Prodding Awl No. 1131

Handfit Wood Handle

Blade is bright nickel. Length 7". Weight 2 ozs. 6 to the box.

LIST PRICE, each.....\$.30

Ideal for removing glass, nails, tacks, stones or other objects that become imbedded in tires. The broad, tapered blade is shaped to spread the rubber while the blunt point removes foreign objects from tires without danger of penetrating tube.



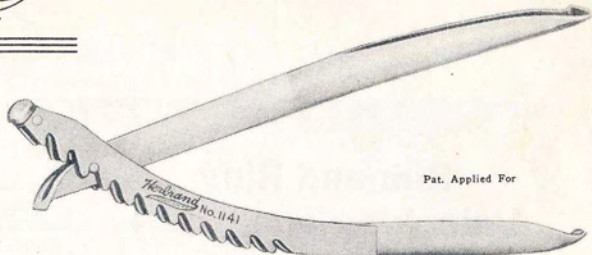
All Steel Screw Driver No. 146

Drop Forged in One Piece

Heat treated all over and satin nickel plated. Length 9½". Weight 10 ozs. 6 to the box.

LIST PRICE, each.....\$.60

A powerful screw driver with a sure grip and a self-contained handle that cannot break nor come loose. A versatile tool which will be found handy around tire shops and garages. It exerts a powerful twist and the square blade permits using a wrench when extra leverage is required for the stubborn job.



The beautifully finished hub caps on modern cars demand the use of a special tool for removing them without damage. Customer satisfaction depends upon the ability of the operator to handle this frequent job without marring, denting or scratching the finish on caps, wheels and other parts.

This novel Cap Remover is the result of long study and experimentation and provides the perfect tool for efficiently removing all hub caps and front wheel grease retaining cups.

The eleven positions of adjustment provide a range that covers all diameters of caps from the smallest to the largest. The long handles create a leverage that easily removes the tightest caps without injuring the feather retaining springs, which is a common hazard when the hammer and screw driver method is used.

The spoon end of the ratchet handle is used to remove the large hub caps that extend to the wheel flanges. The hook end of the pawl lever is used to start wheel bearing or grease retaining dust caps that must necessarily be driven in exceptionally tight.

For use on late model Ford and Lincoln cars the handles are kept parallel or in closed position and the caps are removed by lifting both handles together.

This tool is an absolute necessity in every service station and garage for the tire department, wheel aligning, lubrication, brake service and radio installation.



Figure 1



Figure 2

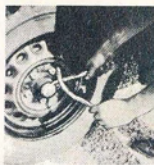


Figure 3

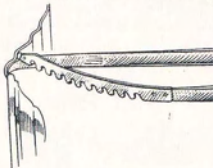


Figure 4

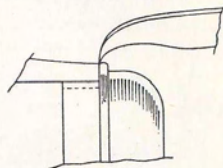


Figure 5

Universal Hub Cap and Dust Cap Remover 1141

For All Hub and Wheel Bearing Dust Caps

Eleven Positions of Adjustment—Long Leverage

Figure 1—Shows pawl lever adjusted to proper notch. Apply just enough pressure to hold tool in place with one hand.

Figure 2—Lift pawl lever which easily removes cap and catch with other hand.

Figure 3—Showing correct application for removing grease retaining cup.

Figure 4—Position of tool for removing 1936-1937 Ford V-8 and Lincoln hub caps. (Lift both handles.)

Figure 5—Use chisel end on pawl lever for starting grease retaining cups that have been driven in exceptionally tight.

Finished in satin nickel. Length 11½". Weight 8 ozs. 6 to the box.

LIST PRICE, each.....\$1.65



Rim and Ring Unlocking Tool 1124

Two Tools In One

Drop Forged from Chrome Alloy Steel

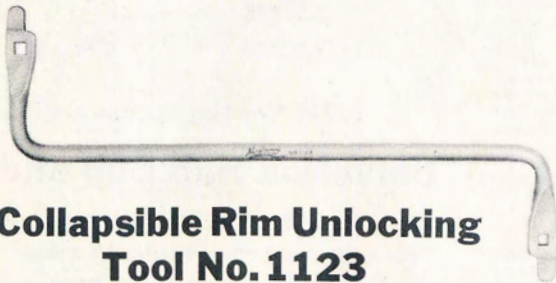
The hook on the end of the tool is shaped with plenty of heel and wedges the lock rings out from their seats with very little effort. It is a double end tool that combines two tools in one. Drop forged from $\frac{3}{4}$ " round Chrome Alloy Steel and extra powered by heat treatment throughout to stand up under hard usage. It is finished in attractive double satin nickel.

Length 19". Weight 2 lbs. 4 ozs. 6 to the box.

LIST PRICE, each\$1.25

One end is accurately shaped to quickly unlock or lock practically any type collapsible rim including Kelsey truck rims. The square hole is set in the proper place for engaging the locking device with greatest efficiency. The angle of the offset end is just right for perfect clearance and the 19" length provides ample leverage for easy handling.

The opposite end is forged into a speedy ring unlocking tool for the easy removal of stubborn retaining rings on wire, disc or Budd wheels.



Collapsible Rim Unlocking Tool No. 1123

Double End

Drop Forged from Chrome Alloy Steel

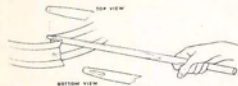
There is a good replacement sale through jobbers because most tools of this nature now in the field are invariably poorly heat treated or not hardened at all and many of the cheaper tools do not have leverage or handle length for opening rusted rims. Double satin nickel finish and heat treated from end to end.

Length 19". Weight 1 lb. 14 ozs. 6 to the box.

LIST PRICE, each\$1.20

page 110

A long 19" handle for extra leverage in locking or unlocking practically all collapsible rims even though they may be rusted. It is a double end tool which gives double service. The different sized square holes in the flattened ends have been carefully spaced to firmly and efficiently engage the rim locking device without any trouble.



The best tool in the tire field for unlocking and locking split type rims. Shaped just right for efficient use and 20" long for extra leverage, this tool is exceptionally well balanced. An outstanding exclusive Herbrand feature that all tire men will appreciate is the recessed grooves on the top and bottom of the working end. The round recess on the top hooks into the corner of the rim and holds it positively in place while the elongated groove on the bottom hooks into the opposite corner of the rim and rides the rim ends together.

"Van-Chrome" Special Rim and Tire Iron No. 1125

Extra Long Leverage

Drop Forged from Tool Steel

This tool makes tire changes easier and faster and eliminates the hazards of slipping which often result in injury to the operator. It also makes an excellent tire iron. Drop forged, heat treated for extra strength and satin nickel plate all over.

Length 20". Weight 1 lb. 12 ozs. 6 to the box.

LIST PRICE, each.....\$1.00



Adjustable Tire Spreader No. 1128

Improved Design—Revolving Spindles

A very practical and necessary tool for tire shops, service stations and all garages. It provides an easy and thorough means of inspecting the inside of casings and simplifies repairs. The two spindle rollers rotate freely and slip easily into the opening of the casing, spreading it with a simple pull of the long leverage handle which is set at a 96° angle for clearance.

All corners are rounded to avoid injury to the hands even under the hardest pull. It rides easily around the entire circumference of the casing on the revolving rollers which are grooved to prevent slipping, making it unnecessary to remove the tool for complete inspection of the entire casing. The tip of the tool is curved to clear the opposite side and the adjustable feature is designed so that the end roller may be set to spread tires from 5½" to 7¾". Double plated in rustproof satin nickel.

Length 18½". Weight 2 lbs. 12 ozs. 6 to the box.

LIST PRICE, each.....\$2.10



"Van-Chrome" Side Ring Tool No. 1135

For New Firestone and Other Rims

Drop Forged from Chrome Molybdenum Steel

Tire and rim service men have experienced difficulty and loss of time in removing and replacing side rings with improper tools. With this Special Herbrand Side Ring Tool, the hazards of distorting rings and injury to hands are eliminated and the rings are quickly removed with the greatest economy of time.

Extra powered by a modern heat treating process and forged from square stock with rounded corners for perfect grip. Triple plated in satin nickel.

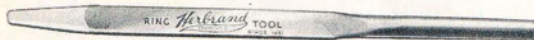
Length 20". Weight 1 lb. 2 ozs. 6 to the box.

LIST PRICE, each.....\$1.30

The latest Double End Tool for the easy removal of the continuous side rings used on Firestone RI, RH and other standard rims. The hook ends are shaped to positively engage the rings and wedge them from their seats with minimum effort. The heel of the tool creates a fulcrum that develops a powerful leverage under the pressure of the long bar. This two-in-one Ring Remover covers the broadest possible range of rim and ring work.



Ring Tool No. 1120



Rim Tool No. 1121

Ring Tool No. 1120 Rim Tool No. 1121

Drop Forged from Select Tool Steel

Both tools are heat treated throughout, ground smooth and finished in satin plated nickel.

Nos. 1120 and 1121. Length 15½". Weight 1 lb. 8 ozs. 6 to the box.

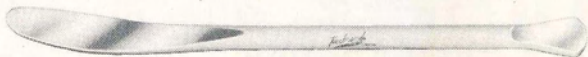
LIST PRICE, each.....\$.75

No. 1120 is a necessary tool for removing and replacing the lock rings on the various types of wheels on which these rings are standard equipment.

With No. 1121 practically all types of rims are unlocked. It also makes a handy iron for all tire changes.



Straight Pattern No. 1126



Curved Pattern No. 1127

Herbrand's Master Tire Irons were designed by tire experts for tire service men. The broad, thin paddle shaped blade takes hold of a larger area lifting the tire from the rim in a few easy strokes with a minimum of effort and time. Curved pattern No. 1127 is especially adapted to drop center type rims, permitting the operator to throw out, or force in bead without injury to knuckles or hub interference. The blunt handle end is designed to drive dual tires and rings on or off.

These irons are drop forged from a special analysis tool steel and heat treated all over to impart rigidity and unbreakable qualities. The two different patterns, straight and curved, are made in 18" and 23" lengths to efficiently handle the full range of tire work on all passenger cars, trucks and buses.

Master Tire Irons No. 1126 and No. 1127 are usually sold together. The curved blade in combination with the straight one makes an unbeatable pair. They are perfectly balanced for ease of handling, and the broad blades avoid bruises or damage to tire.

New Spoon Type Tire Irons

Broad, Paddle Shaped Blades

Sizes for All Passenger and Truck Tires

Drop Forged from Select Tool Steel

Both patterns are available in two different lengths. Nos. 1126 and 1127 for passenger car and light truck wheel service are 18" long. Nos. 1126T and 1127T are 23" long and especially recommended for work on large truck and bus tires.

Heat treated and smoothly ground all over. Triple plated in rust-resisting satin nickel. Packed six to the box.

No. 1126, Straight pattern. Length 18". Weight 2 lbs.

LIST PRICE, each \$1.10

No. 1127, Curved pattern. Length 18". Weight 2 lbs.

LIST PRICE, each 1.15

No. 1126T, Straight pattern. Truck size 23" long. Weight 2 lbs. 12 ozs.

LIST PRICE, each 1.40

No. 1127T, Curved pattern. Truck size 23" long. Weight 2 lbs. 12 ozs.

LIST PRICE, each 1.45

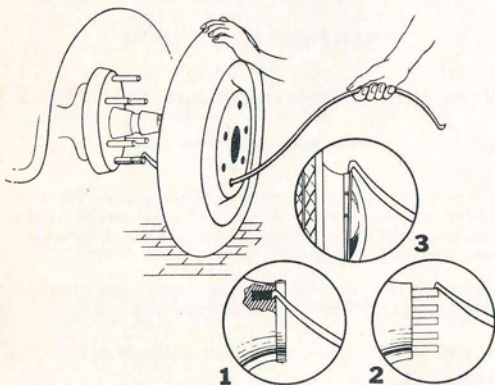


Patent No. 1,969,232. Other patents granted and pending.

"Van-Chrome" Wheel Mounter No. 1140

**For Mounting Wheels on all Passenger Cars,
 Small Trucks, and for Pulling Hub Caps**

Drop Forged from Chrome Molybdenum Steel



- 1** For mounting wheels on cars with threaded bolt holes: Insert hook end through bottom bolt hole in wheel and balance with free hand.
- 2** On cars equipped with studs: Insert flange end through bottom stud hole and slide wheel into position with pivot motion.
- 3** Pulling hub cap.

This revolutionary tool has no equal for wheel service and is unparalleled for car equipment. Every service station, tire station and garage needs this tool because it saves time, labor and avoids damage to studs and threads.

It is a double end tool with a crescent shaped flange on one end for engaging studs and a forged hook on the other end for engaging threads in bolt holes when mounting wheels. The hook end is also ideal for removing hub caps. Mounting wheels with this "S" shaped tool is so simple that even a child can handle it.

Either end may be inserted through the bolt holes in the wheel; the hook end for studs and the flange end for threaded bolt holes. Raising the tool with a lever action lifts the wheel from the ground with ease and glides it gradually into place along the smoothly ground arc shaped pilot, even under the modern low dropped fenders. The bolt holes are aligned perfectly for insertion of studs without damaging threads or distortion of wheels and avoids slipping, fumbling and much loss of time. In addition to handling all popular passenger car wheels it also serves light trucks and trailers equipped with disc and rim type wheels.

Satin nickel finish. Length 26". Weight 1 lb. 4 ozs.

LIST PRICE, each.....\$2.50



Patent No. 1,969,232. Other patents granted and pending.

"Van-Chrome" **Wheel Mounter No. 1151**

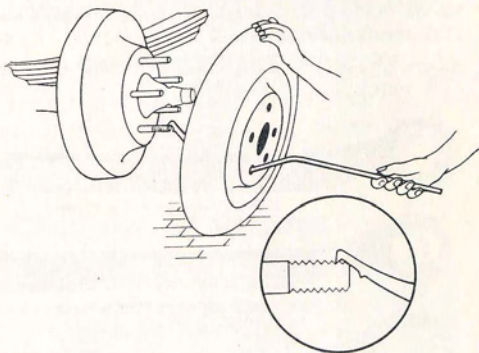
**For Mounting and Demounting All Truck
and Bus Wheels**

Drop Forged from Chrome Molybdenum Steel

Any official or service man connected with truck or bus lines knows the tremendous expense involved in changing wheels. Delayed schedules, damaged studs, over-exertion and physical strain—all these costly hazards are overcome with this revolutionary newly patented tool. With it the biggest and heaviest truck or bus wheels can be easily and quickly mounted or demounted by one man without bruising studs or endangering the operator. It lines up wheels with the studs for securing nuts and insertion of hub collars.

The two flanges on the bottom side of the pilot end are accurately forged to perfectly engage the threads on the studs without mutilation. These flanges rock firmly or pivot between the threads, handling extreme weight without resting on the threads and avoid slipping or fumbling. The smoothly ground, accurately curved pilot slowly but positively slides the wheel home without a jar or bang of any sort. This action lifts the wheel from the ground gliding it inwardly and upwardly under the modern low dropped fenders and puts it in place with perfect alignment. Drop forged from Chrome Molybdenum Steel and expertly heat treated to impart the great strength required.

No. 1151 Truck Wheel Mounter is designed to easily mount or demount all large, heavy wheels on trucks, trailers and buses.



For front and inside dual wheels: Insert Mounter Tool through bottom stud hole and balance wheel with free hand and foot.

For outside wheels: Use top holes and studs and gravity balance will provide perfect alignment. Pivot inside flange of tool on stud only when mounting front and inside Budd type wheels. Use outside flange for all other purposes.

For G.M.C. type wheels having holes the same size as the studs: Mount as above described, except when the wheel reaches the end of studs, push side of wheel opposite the Mounter over the end of the studs; lower Mounter, transferring weight to studs, remove Mounter, shove wheel home.

No. 1151 Truck Wheel Mounter is the Universal Tool for practically all large trucks, buses and trailers. It handles every wheel except the disc type having holes smaller than $\frac{3}{4}$ ". For these wheels use tool No. 1140 described on page 82.

Satin nickel finish. Length 26". Weight 3 lbs. 4 ozs.

LIST PRICE, each\$2.40



"Van-Chrome" Valve Stem Wrenches

Slotted Type—12-Point Openings

Drop Forged from Chrome Vanadium Steel

Heat treated and finished in silvery satin with heads polished.

No. 173, $1\frac{1}{16}$ " and $\frac{3}{4}$ " openings. Length $6\frac{1}{2}$ ". Weight 4 ozs.

LIST PRICE, each.....\$1.40

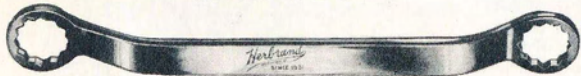
No. 174, $\frac{7}{8}$ " and $1\frac{1}{8}$ " openings. Length $7\frac{1}{2}$ ". Weight $6\frac{1}{2}$ ozs.

LIST PRICE, each.....\$1.60

A necessity, especially on wire wheels, for tightening the valve stem jam nut on the rim. The thin, tapered heads are slotted to slip easily over any type valve stem nut and operate where obstructions are close. The 12-point box type openings take hold with a clean, positive grip that prevents slipping and damaging enamel on rims and spokes.



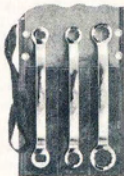
No. 172 Valve Stem Holding Wrench



No. 171 Valve Stem Base Nut Wrench



No. 170 Valve Stem Jam Nut Wrench



Set No. 175

Valve Stem Wrenches

For Stem, Base and Jam Nuts

Carefully engineered with just the right angle on the offset heads for easy clearance and a full free swing.

Satin nickel plated. Length 8". Weight $3\frac{1}{2}$ ozs. each.
Nos. 170, 171, 172.

LIST PRICE, each.....\$.70

SET No. 175 containing one each Nos. 170, 171 and 172 in flannel lined pocket leatherette case.

LIST PRICE, set complete.....\$2.50

No. 170 has different 12-point openings that adapt it to popular sizes of tire valve stem jam nuts for tightening on the rim.

No. 171 has the necessary different 12-point openings to fit the valve stem base nut and clears the flange fully.

No. 172 has oval openings that hold the valve stem rigid without damaging threads while the valve stem base nut is tightened with No. 171.

Constructed of a special, tough, crimped steel wire, there are no better quality brushes available. The steel wire sections are locked into the metal hub parts under pressure, making a complete master unit. This permits the use of the greatest amount of wire and creates an exceptional density on the working face that will wear evenly down to the arbor.

Used on bench grinders and portable tools for general cleaning and roughing; also practical on flexible shafts.

Each wheel has a standard 2" opening and the interchangeable adaptors illustrated with $\frac{1}{2}$ " arbor hole size, are supplied as regular equipment.

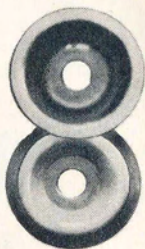
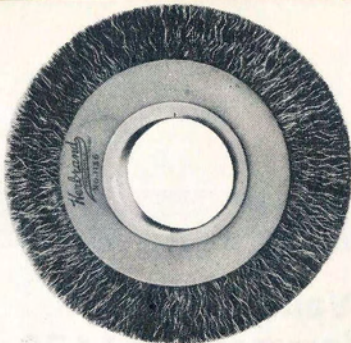


Designed particularly for cleaning carbon from cylinder heads, blocks, valve ports, recesses, combustion chambers and for general cleaning around motors or cars.

The heavy first quality crimped wire is firmly secured in the metal cup giving the brush extra long life and unusual wearing qualities. Fits electric drills, pneumatic tools and flexible shafts.



A good quality brush made of stiff, round steel wire. The 14" handle is curved to reach easily into the casings for cleaning. Handy for removing rust and dirt from rims and other parts.



Wire Circular Brushes

For Roughing, Cleaning and Buffing

Heavy Duty Construction—Perfectly Balanced

No. 1136, 4" diameter. Thickness $\frac{7}{8}$ ". Weight 12 ozs. 1 to the box.
LIST PRICE, complete with $\frac{1}{2}$ " arbor adaptors.....\$2.80

No. 1137, 6" diameter. Thickness $1\frac{1}{16}$ ". Weight 1 lb. 8 ozs.
LIST PRICE, complete with $\frac{1}{2}$ " arbor adaptors.....\$3.50

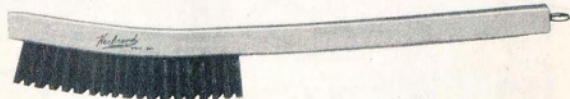
Carbon Cleaning Brush No. 1138

For Use with Portable Tools and Flexible Shafts

Metal Bound Construction

Diameter of shank $\frac{1}{4}$ ". Length of brush 1".
Weight 8 ozs. Individually boxed.

LIST PRICE, each.....\$1.50

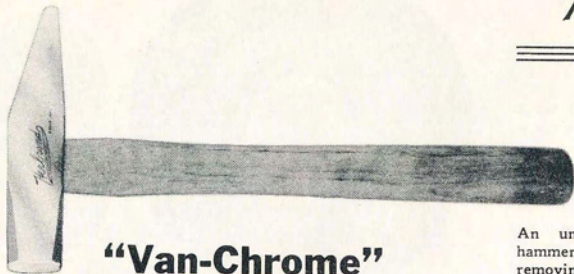


Tire and Rim Brush 1132

For Cleaning Rims and Casings

The brush part is 6" long. Length 14". Weight 14 ozs.

LIST PRICE, each.....\$.50



"Van-Chrome" Tire Hammer No. 1130

Drop Forged from Chrome Alloy Steel

Heat treated and nickel plated. Length 14". Weight 3 lbs. 8 ozs.

LIST PRICE, each.....\$2.50

An unusually well balanced hammer especially designed for removing tires that cling stubbornly to the rims. Extremely tough but not brittle eliminating the danger of chipping or flying pieces. All corners are rounded or bevelled to avoid damage to tire or rim. The head is firmly anchored to the hickory handle.



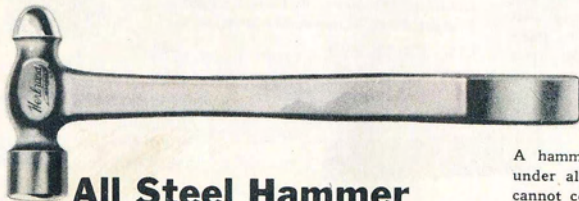
Tire Mallet No. 1133

For Removing and Mounting Tires

The handle is firmly vulcanized into the head. Length 15". Weight 1 lb. 8 ozs. 6 to the box.

LIST PRICE, each.....\$1.40

The head of this mallet is solid, resilient rubber that permits its practical use where a metal hammer would cause damage. It is intended for tire changes but is also popular for automotive body work, fender straightening and for use on materials that are subject to bruising and marring.



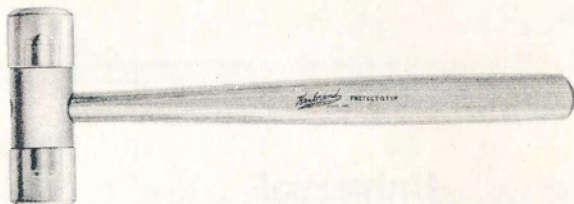
All Steel Hammer and Tire Tool No. 165

Drop Forged in One Piece

Satin nickel finish, polished faces. Length 11". Wgt. 1 lb. 8 ozs.

LIST PRICE, each.....\$1.40

A hammer that will stand up under all conditions. The head cannot come loose and the handle which is forged integral with the head cannot break. One face of the hammer head is the flat type while the other is the ball pein pattern. The handle end is formed in the shape of a tire tool.

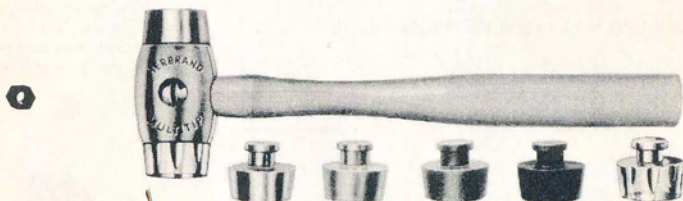


A new hammer with very tough, resilient tips of Pyralin which are easily replaceable. They are without equal for tapping valves in blocks, ignition and distributor work or where highly finished, delicate parts would be injured by hard, metal hammers. Especially useful for fitting piston pins, wrist pins, gears, bearings, etc. Made in three sizes to accommodate any range of work. The center is nicked steel with best quality hickory handle.

Protectotip Hammers

Shatterproof Detachable Pyralin Tips

No. 650 Hammer, 5 ozs. Tips $\frac{3}{4}$ " diam.....	List Price, each....	\$1.70
No. 651 Extra Pyralin Tips.....	List Price, each....	.45
No. 652 Hammer, 8 ozs. Tips 1" diam.....	List Price, each....	1.90
No. 653 Extra Pyralin Tips.....	List Price, each....	.50
No. 654 Hammer, 12 ozs. Tips $1\frac{3}{16}$ " diam.....	List Price, each....	2.10
No. 655 Extra Pyralin Tips.....	List Price, each....	.60



Indispensable for fitting piston pins, wrist pins, and the like, because blows from the Multitip will not draw the metal nor bruise the work. Reduces rebounding to the minimum. The head tips, and handle are securely locked in the drop forged head with a special screw and lock washer. Inserting new tips is a matter of seconds and provides a new hammer for the mere cost of the tips. Nickel plated head, hickory handle.

Multitip 5 in 1 Hammer

Five Interchangeable Tips

No. 130 Multitip Hammer with 1 each of 5 different interchangeable tips. Weight 1 lb. 8 ozs. Individually boxed.

LIST PRICE, complete.....	\$5.00
No. 131 Extra Pyralin Tip.....	List Price, each.... .90
No. 132 Extra Copper Tip.....	List Price, each.... .80
No. 133 Extra Lead Tip.....	List Price, each.... .40
No. 134 Extra Composition Tip.....	List Price, each.... .25
No. 135 Extra Rubber Tip.....	List Price, each.... .20



Universal One-Man Grease Bar No. 190

For Frozen Shackles

Drop Forged from Tool Steel

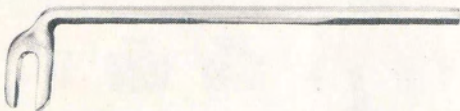
The use of this bar eliminates the hazard of bending, distorting or otherwise damaging the shackles in an effort to force grease through the bushings. Drop forged solid. Heat treated its entire length. Finished in double satin nickel.

$\frac{3}{4}$ " octagon steel. Length 30". Weight 4 lbs. 12 ozs.

LIST PRICE, each.....\$2.60



Any frozen shackles are quickly freed and thoroughly greasing them becomes an easy, one-man job with this scientifically designed bar. The fork end fits over the spring applying side pressure instead of end pressure and is set at a 25° angle to give easy access to any type of spring. It clears the crankcase, muffler, fenders, and firmly grips THREE spring leaves—a feature originated by Herbrand. The long, thin pry end is deeply knurled at the base which prevents slipping. Designed to release the weight of the car from the shackle bushings which permits a free flow of grease.



Front Spring Shackle Grease Bar No. 191

Drop Forged from Tool Steel

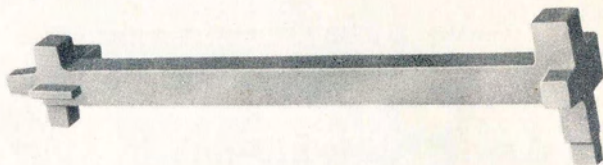
Drop forged solid. Heat treated all over. Satin nickel finish.

$\frac{3}{4}$ " octagon steel. Length 20". Weight 3 lbs. 8 ozs.

LIST PRICE, each.....\$2.10



Especially designed for quicker and more thorough lubrication of the front spring shackles. The head is placed at an angle of 90° to clear all obstructions and provide maximum handling efficiency, either on the lift or in the pit. It has THREE spring leaf capacity.



"Van-Chrome" Drain Plug Wrench No. 193

Ten Tools In One for All Female Plugs

Drop Forged from Chrome Alloy Steel

No more lost time searching for special drain plug sockets and handles. Here, combined in one wrench, are the ten different sizes of lugs required to service all countersunk drain and filler plugs in the clutch, crankcase, transmission and differential on most automobiles and trucks.

A solid drop forged tool with accurately sized lugs. Heat treated throughout to withstand hard service and finished in rust-resisting satin nickel plate.

Light in weight, compact, easy to handle, and designed to save time on oil changes. The lugs are forged accurately to size assuring perfect fit. Provides powerful leverage to easily remove stubborn plugs. Heat treated and satin nickeled.

Length 9". Weight 14 ozs. 6 to the box.

LIST PRICE, each.....\$1.70



"Van-Chrome" Drain Wrench No. 194

Seven Wrenches In One For All Male Plugs

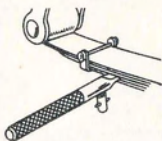
Drop Forged from Chrome Alloy Steel

A new drop forged Drain Plug Wrench, designed by Herbrand to fit the male plugs on crankcase, transmission and differential of practically all cars. It has seven different 6-point and 8-point openings combined in one wrench, properly sized to fit all late popular models including Ford, Chevrolet, Pontiac, Plymouth, Dodge, Buick, Studebaker, Oldsmobile, Nash, Packard and other makes.

The precision openings insure a perfect fit and prevent mutilating or distorting plugs. Heat treated and finished in satin nickel. Four different 6-point and three different 8-point openings in one wrench which fit practically all drain plugs.

Length 9". Weight 11 ozs. 6 to the box.

LIST PRICE, each.....\$1.90



Stop-Squeak Spring Lubricator No. 198

Universal for all Car Springs

Chrome Molybdenum Steel

Machined from Chrome Molybdenum Steel, hardened and tempered for extra strength and finished in satin nickel. The finely tapered wedge readily separates the spring leaves and the V shaped opening is milled to the proper size to permit an easy flow of grease which is forced through the standard grease gun fitting. The handle is deeply cross knurled for a non-slip grip.

Length $5\frac{3}{4}$ ". Weight 7 ozs. 6 to the box.

LIST PRICE, each.....\$1.75

The surest method of lubricating springs down to the last squeak! This inter-leaf system of oiling and greasing reaches the exact spot and lasts longer than spray oiling or any other method. Hours of time and aggravation cannot accomplish what this simple tool does in a few moments. Insert the wedge between the spring leaves, attach the grease gun to the conventional fitting, operate in the customary manner and the grease is forced through the tool and out of the tapered end directly to the point of the squeak. Taking the weight off the springs by jacking the car up makes this simple operation even simpler although this is not necessary.



Crank Case Drain Wrench No. 2345

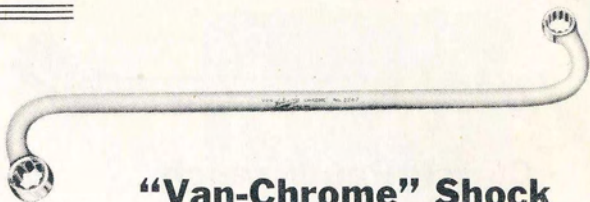
For Ford V-8

Drop Forged from Chrome Vanadium Steel

Satin nickel finish. Length 15". Weight 1 lb.

LIST PRICE, each.....\$2.90

A special wrench with $1\frac{5}{16}$ " and $1\frac{1}{16}$ " 12-point box openings. The $1\frac{5}{16}$ " opening fits the crankcase drain plugs on Ford 1933 to 1936 models, and the $1\frac{1}{16}$ " opening fits 1932 Ford.



"Van-Chrome" Shock Absorber Wrench 2347

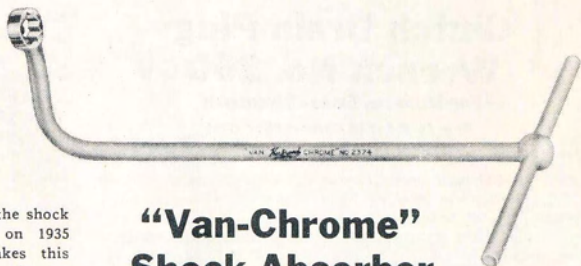
For Ford V-8—Including Early 1935 Models

Combination 8-Point and 12-Point Openings

Filler plugs on shock absorbers placed in the frame channels on Ford V-8's up to and including the early 1935 Models are extremely hard to reach. This special S Wrench, scientifically designed with 8 and 12-point openings for both square and hex plugs, has unique angles which clear all obstructions. It has surplus strength for hard use.

Ford shocks have square filler plugs on some models and hex on others. This special wrench carries 8-point and 12-point $\frac{7}{16}$ " openings to get them both. Drop forged from Chrome Vanadium Steel, heat treated and satin nicked with heads polished.

Openings $\frac{7}{16}$ ". Length $11\frac{1}{2}$ ". Weight 7 ozs. Packed 6 to the box.
LIST PRICE, each.....\$2.20



"Van-Chrome" Shock Absorber Wrench No. 2374

For Ford V-8 Models 1935 and 1936

Drop Forged from Chrome Vanadium Steel

Change in location of the shock absorber filler plugs on 1935 Ford V-8 models makes this specially designed wrench necessary. The special angle bends clear all obstructions encountered and the T handle gives a perfect grip and plenty of leverage. A great time saver.

Drop forged from select Chrome Vanadium Steel and heat treated its entire length. The 8-point $\frac{7}{16}$ " opening and special bend are required to remove and replace the filler plugs on 1935 and later V-8 models.

No one wrench will service the filler plugs on all V-8 models. The combination of No. 2374 and 2347 will handle them all. Heat treated and finished in satin nickel with polished heads.

Length 11". Opening $\frac{7}{16}$ ", 8-point. Weight 9 ozs. 6 to the box.
LIST PRICE, each.....\$2.20



Clutch Pan Wrench No. 6825

Swivel Heads

Drop Forged from Chrome Vanadium Steel

Has swivel heads which adjust to any angle and twelve point openings of $\frac{1}{2}$ " and $\frac{9}{16}$ ". Satin nickel with polished heads.

Length 8 $\frac{3}{4}$ ". Weight 8 ozs. 6 to the box.

LIST PRICE, each.....\$2.50



Clutch Drain Plug Wrench No. 290

For Hudson, Essex, Plymouth

Drop Forged from Chrome Alloy Steel

Heat treated and finished in satin plate. Length 6 $\frac{1}{2}$ ". Wt. 6 ozs.

LIST PRICE, each.....\$.65



Spring Shackle Greasing Tool 192

For Tryon Shackles

Drop Forged from Chrome Alloy Steel

Drop forged Chrome Alloy Steel, heat treated and nicked.

Length 11". Weight 10 ozs. 6 to the box.

LIST PRICE, each.....\$1.10

In the Chrysler line, including Chrysler, Dodge, DeSoto and Plymouth it is necessary to remove the clutch pan to lubricate the throw-out bearings. Field experiments have proved that Herbrand No. 6825 is best adapted to this purpose.

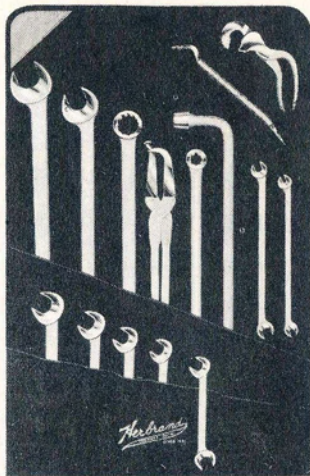
Necessary wherever lubrication service work is done. Every mechanic and oil station attendant who has tried to remove the clutch filler plug on Hudson and Essex 1932 cars will appreciate and buy this tool. One end has a $\frac{9}{16}$ " forged square plug, the other a $\frac{7}{16}$ " hexagon.



For prying Tryon Shackles with taper bushings. It eliminates the necessity of one man prying with a screw driver, or other makeshift methods, while another man forces grease through the bushings.

The development of improved brakes on modern motor cars has increased service work and created a definite demand for special tools for the scientific adjustment of brakes to conform to safety standards. After careful study of brake requirements based upon the combined experience of outstanding brake specialists Herbrand offers the most efficient Brake Tools available. Each wrench is individually designed for its particular job and has the proper leverage, thinness and angles of heads to clear obstructions. No unnecessary tools are included in the Herbrand Brake Tool Series although adequate provision has been made for handling all types of brakes. "Van-Chrome" Brake Tools are designed to handle with ease both major and minor brake adjustments on all makes of cars and trucks. They simplify this work and eliminate the complications that result from the use of ordinary tools.

These highly specialized tools save many hours of time and labor and make perfect adjustments a standard by which your competition is measured. Perfect brakes are a vital necessity under today's traffic conditions and car owners will appreciate the quick and safe brake adjusting service they can get from mechanics equipped with Herbrand "Van-Chrome" Brake Tools.



Set No. BR-15

"Van Chrome" Brake Tools

Drop Forged from Chrome Vanadium Steel

Set No. BR-15 illustrated is not just an ordinary collection of tools but a highly developed unit which constitutes the most complete set with the minimum number of pieces. It cares for the required adjustments on all the internal expanding and external brakes. The proper tools are included for Bendix, Lockheed-Hydraulic and Midland Steeldraulic, also individual styles of mechanical brakes. All tools finished in double satin nickel plate with brightly polished heads.

SET No. BR-15 contains 15 "Van-Chrome" Brake Tools, Nos. 183, 241, 243, 251, 261, 262, 271, 272, 281, 282, 283, 284, 285, 301 and 2333, described in detail on pages 126 to 133. Weight 8 lbs. 5 ozs.

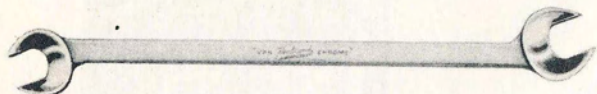
LIST PRICE, in fibre box.....\$28.55

LIST PRICE, in 15 pocket leatherette roll, flannel lined.. 30.25

SET No. BR-13, same assortment as above, minus the No. 183 and No. 272 pliers, 13 tools in all.

LIST PRICE, in fibre box.....\$22.95

LIST PRICE, in leatherette roll, flannel lined..... 24.65



"Van-Chrome" Extra Long Wrenches

22½° Angle—For Brake Adjustments

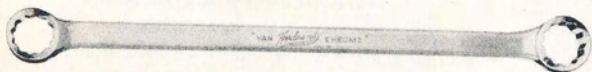
Drop Forged from Chrome Vanadium Steel

Drop forged from the finest Chrome Vanadium Steel they have narrow, pointed jaws and slender handles for maximum accessibility. Scientifically balanced for ease of handling and beautifully finished in satin nickel with mirror polished heads.

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Thickness Heads	Length	Weight Per Doz. Lbs. Oza.	List Price Each
241	¾ & ⅞	..	½ & ⅝	½ & ⅝	⅜	15	12 12	\$3.10
242	1⅛ & 1⅜	⅜	..	⅝ & ¾	½	16	19 8	3.30
243	1 & 1⅜	⅝	¾ & ⅞	1⅛ ..	½	16	19 8	3.30

Packed six to the box

Every mechanic has frequent need for Extra Long Wrenches. Primarily designed to reach and turn the anchor nuts on Bendix and other mechanical brakes, both external and internal, they have extra length to provide ample leverage for heavy duty general service. To adjust brakes correctly, U bolts, shackle bolts and spring perch nuts must first be properly tightened and these three wrenches will be found invaluable for this work. The extra long handles make it easy to work under cars and they will be found useful for many other jobs requiring strong, extra leverage wrenches, especially on trucks and tractors.



"Van-Chrome" Long Box Wrench No. 251

Special for Brake Work

Drop Forged from Chrome Vanadium Steel

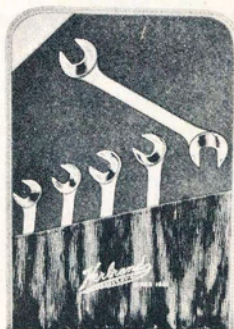
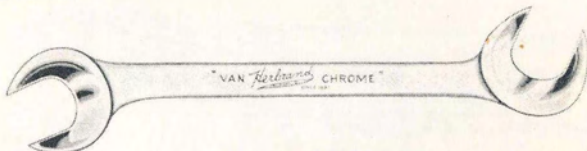
Drop forged from select Chrome Vanadium Steel, carefully heat treated and finished in double satin nickel with brightly polished heads. The 12-point openings fit ⅝" and ¾" S.A.E. nuts and Cap Screws; also ⅝" U.S.S. bolt size. Ideal for anchor nuts on 1935 and later models Buick and Pontiac hydraulic brakes.

12-point openings 1⅛" and 1⅜". Offset heads ⅝", 15° angle. Length 15". Weight 1 lb. 6 to the box.

LIST PRICE, each.....\$2.90

page 126

This popular Extra Long Box Wrench was added to the Herbrand line due to the insistent demand of mechanics. Engineered to clear obstructions and operate efficiently even where nuts are countersunk. Fitting the anchor studs on internal mechanical brakes, it will also be found very useful for heavy duty work on tractors and large trucks. The 15" length is very essential.



Set No. 280

"Van-Chrome" Special Brake Wrenches

22½° and 62½° Angle Heads

Drop Forged from Chrome Vanadium Steel

Brake service specialists and auto maintenance shops will immediately appreciate the efficiency of these unusually handy angle brake wrenches as being best suited for quick accurate adjustments on an extra profit producing basis. They not only simplify this work but save many hours of grief, time and labor because the narrow pointed jaws are especially designed for clearance and angled to easily reach and turn brake nuts where space is limited.

The handles are slim and narrow to slip through crowded places and deliver the utmost in speed and ease of handling. They are oval design for comfortable grip.

Each end has the same size opening one set at 22½° the other at 62½° providing the maximum efficiency for brake service work. While primarily built for better and quicker results on brake work these handy wrenches carry the popular opening sizes that make them ideal general purpose wrenches to serve a wide variety of difficult operations.

Drop forged from a select quality of Chrome Vanadium Steel, heat treated for greatest endurance, smoothly ground and triple plated in satin nickel with heads brightly buffed.

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex Cap Screws	For S.A.E. Nuts and Cap Screws	Thickness Heads	L'gth	Weight Per Doz. Lbs. Ozs.	List Price Each
281	9/16 & 5/8	..	3/8	3/8	1/4	6 1/4	2 4	\$1.20
282	5/8 & 3/4	..	7/16	7/16	1/4	6 1/4	2 4	1.20
283	1 1/16 & 1 1/8	3/8	1 1/8	1 1/8	3/32	7 1/8	4 4	1.50
284	3/4 & 7/8	..	1 1/4	1 1/4	3/32	7 1/8	4 4	1.50
285	7/8 & 1	1/2	3/4	3/4	3/32	8 3/8	5 4	1.75

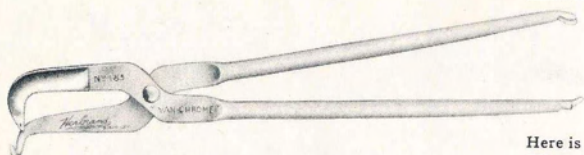
Packed six to the box

BRAKE SET No. 280, one each of the five wrenches in above table. Weight 1 lb. 14 ozs.

LIST PRICE, in box.....\$7.15

LIST PRICE, in canvas bag.....7.35

LIST PRICE, in pocket leatherette roll.....7.85



"Van-Chrome" Brake Spring Plier No. 183

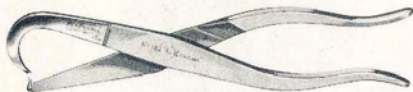
13" Long For Heavy Duty Service

Drop Forged from Chrome Vanadium Steel

Strengthened by exacting heat treatment. Handsomely finished in double plated satin nickel with heads brightly polished.

Length 13". Weight 11 ozs. Packed 6 to the box.

LIST PRICE, each \$3.30



Brake Spring Plier No. 182

8½" Long

Drop Forged from Chrome Alloy Steel

Satin Nickel finish with heads polished to a high lustre.

Length 8½". Weight 6 ozs. Packed 6 to the box.

LIST PRICE, each \$2.00



Brake Plier No. 272

Special Curved Handles for Steeldraulic Brakes

Drop Forged from Chrome Alloy Steel

Nickel plated with bright heads. Length 5½". Weight 5 ozs.

LIST PRICE, each \$2.30

Here is a large size Brake Spring Plier with a generous capacity of jaw opening for the quick and easy removal and replacement of brake shoe springs on practically all cars with internal brakes.

The sharp point of the goose neck curve of the upper jaw anchors on the brake lining in a positive way, while the cork screw hook of the lower jaw pulls the spring into position readily. The ends of the handles have different forged notches—one end slips the upright springs into position on the stud, the other end removes them easily. Also ideal for removing cotter pins.

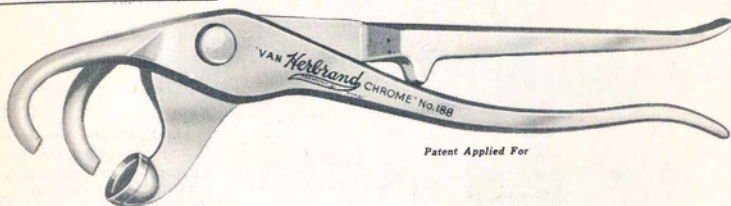


Works efficiently on smaller springs where extra long handles would be awkward. The cork screw hook on the lower jaw lifts the spring easily with a secure grip and the sharp pointed goose neck curve of the head grips the brake band in a positive way. The cork screw hook is also adapted to cotter pin removal.



Designed to reach and get a positive hold on the knurled brake adjusting nuts used on various models of Auburn, Hupmobile, Oakland, Nash, Pontiac and other cars equipped with steel-draulic brakes. Every mechanic realizes its importance.

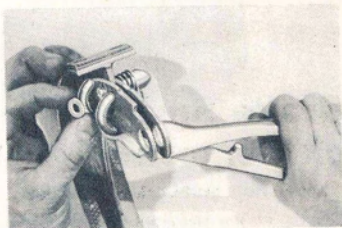
Herbrand
 FREMONT, O.
 "SINCE 1881"



New — distinctive — original — and the simplest and quickest means of removing the special tension lock-washers used on the Huck brakes of all 1936 and later Chevrolet cars. A one-man tool that compresses the brake pin spring for instant removal or replacement of the special lock-washers that fit into the pin groove. Saves at least *one hour* on every brake relining job.

To reline these brakes it is necessary to remove the eight lock-washers and, by the common method, either two men were required or it was necessary to compress the springs with a vise and two small wood blocks. Replacement also was exceedingly difficult because of the extreme spring tension, and either method was tedious, time-consuming and very unsatisfactory. Each relining job necessitates a repetition of this operation *sixteen times*. With Plier No. 188, one man can do this part of the relining job perfectly in not to exceed *eight minutes*.

The cup joint is shaped to fit the head of the pin without slipping and avoids injury to hands and fingers. The claw joint straddles the pin and washer applying the pressure equally, giving a straight, easy push. The claws are spread wide enough to permit easy access of the fingers for lifting the washer and are designed to clear the edge of the brake shoe and the stampings.



"Van-Chrome" Brake Pin Spring Compressor No. 188

For Chevrolet Huck Brakes

Drop Forged from Chrome Vanadium Steel

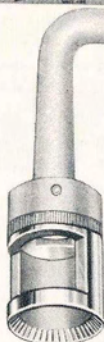
A newly invented Herbrand Tool that saves at least one hour of time on every Chevrolet brake relining job. Eliminates the tedious and unsatisfactory practice of using a vise, or other makeshift methods, in compressing the springs to remove or replace the eight lock-washers (16 operations) which fit the grooved pins. Every brake service station, Chevrolet and general shop doing Chevrolet work cannot afford to be without this tool. It will pay for itself on the first job.

Satin nickel finish. Length 11". Weight 14 ozs. Packed 6 to box.

LIST PRICE, each.....\$3.30

"VAN *Herbrand* CHROME" No. 498

Herbrand
FREMONT, O.
"SINCE 1881"



Brake Spring Cup Lock Remover No. 498

For Bendix and Lockheed Brakes

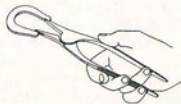
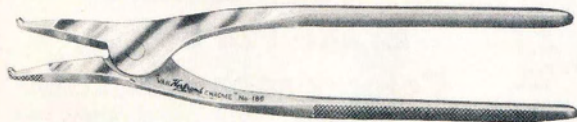
Chrome Molybdenum Steel

Satin nickel finish. Height 4". Width 6". Weight 9 ozs.

No. 498, Socket and Handle.	LIST PRICE, complete	.....\$1.35
No. J-43, Socket only.	LIST PRICE	......85
No. 495B, T Handle only.	LIST PRICE	......60

The brake shoe hold down springs on hydraulic brakes have a retaining cup lock washer that is very difficult to remove and replace. Herbrand has perfected a cut-away type socket end tool for releasing these troublesome cup lock washers with a simple twist of the wrist and without loss of parts or injury from flying springs.

The hot forged socket has a bevelled opening and is properly toothed to firmly grip the washer and turn it readily without slipping. One side is cut away to give the operator perfect vision and full control of the work. Any Junior Series socket handle will fit the $\frac{3}{8}$ " drive end of the Special Socket but the T Handle supplied with the complete unit is recommended.



"Van-Chrome" No. 186 Horse Shoe Lock Ring Plier

For Removing Horse Shoe Lock Rings

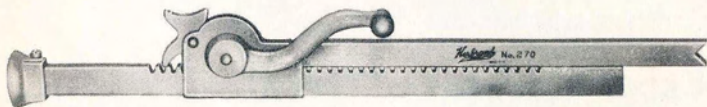
Drop Forged from Chrome Vanadium Steel

Toothed on the outside of the jaws to prevent slipping. Will spread any lock washer up to $1\frac{1}{4}$ ". Handles are knurled.

Satin nickel, polished heads. Length $8\frac{1}{4}$ ". Weight 12 ozs.

LIST PRICE, each.....\$2.10

Developed to spread the snap lock-rings used so widely today on brakes, transmissions, differentials, pedal shafts, clutch shafts, fan pulley shafts and especially adaptable for spreading brake keys when removing them from the assembly. It is almost impossible to spread these lock rings with a screw driver or other make-shift methods because they are loose on the shaft and turn easily. Especially adaptable for lock-rings used on Chrysler hydraulic brakes and Plymouth brake anchor pins.



A "One-Man" Tool that depresses the brake pedal and holds it at any required position. The smooth running rack and pinion are operated by a ratchet crank that locks automatically. Where floor boards interfere with a full turn of the crank a simple outward pull on the handle brings the ratchet action into play and the adjustment is made with a half or quarter turn.

May also be used to hold up the oil pan while bolts are being replaced, to test the looseness of main bearings and to lift the weight of flywheel or crankshaft.

Brake Pedal Depressor No. 270

For Brake Adjustments on All Cars

Automatic Lock—Ratchet Action Handle

To operate, place the base against the heel board and the notched end on the pedal and adjust by turning the ratchet action handle.

Satin finish. Adjustable length 15½" to 25". Weight 2¾ lbs.

LIST PRICE, each.....\$4.10



"Van-Chrome" No. 2381 Brake Pedal Spring Hook

For Late V-8 Models

Drop Forged from Chrome Vanadium Steel

Brake pedal return springs are easily hooked up with this practical tool. Its 14" length and special construction adapts it particularly to the 1935 Ford V-8 and later models.

Heat treated throughout and plated in satin nickel.

Length 14". Weight 5 ozs. 6 to the box.

LIST PRICE, each.....\$1.80

Hooking up the brake pedal springs is extremely difficult because they have to be reached through the hole in the cross member of the frame or by reaching underneath. The entire tool is correctly curved to avoid the usual fishing around and the hook is drilled to readily engage the end of the spring and firmly hold it while pulling into position. The T handle provides a good grip and easy control of the work.



Eccentric Brake Wrench

Open End—15° Angle Heads

Drop Forged from Chrome Vanadium Steel

Finished in satin nickel with bright polished heads.

Wrench No.	Size Openings	Thickness Heads	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
261	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{3}{32}$	9	2 ..	\$1.40
262	$\frac{3}{16}$ & $\frac{5}{16}$	$\frac{3}{32}$	9	2 12	1.40

Packed 6 to the box



"Van-Chrome"

Eccentric Brake Wrench

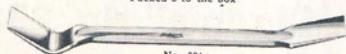
Elongated Box Type Openings

Drop Forged from Chrome Vanadium Steel

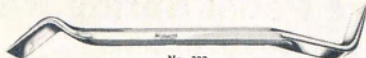
Finished in satin plate with heads polished.

Wrench No.	Size Openings	Length	Weight Per Doz. Lbs. Ozs.	List Price Each
195	$\frac{3}{16}$ & $\frac{1}{4}$	5	1 8	\$1.20
196	$\frac{3}{16}$ & $\frac{5}{16}$	6	3 ..	1.30
197	$\frac{3}{8}$ & $\frac{1}{2}$	6	3 ..	1.30

Packed 6 to the box



No. 301



No. 302

Star Nut Brake Tools

Thin and Wide Contact Points

Drop Forged from Chrome Alloy Steel

Satin nickel, polished points. Length 8". Weight $4\frac{1}{2}$ ozs.

No. 301 For Bendix Brakes on most cars and trucks.

No. 302 For Bendix Brakes on Hudson, Essex.

LIST PRICE, each.....\$.80

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The only wrenches of this type built, they have elongated box type openings that fit perfectly the slab head on brake eccentrics. Available in six opening sizes to fit Bendix, Lockheed and most truck and bus brakes. The unique offset makes it possible to hold the eccentric in exact position while the lock nut is being tightened.

The two sizes of Herbrand Eccentric Brake Wrenches carry the four necessary openings to adjust the eccentric cam on Bendix Internal Brakes. They are 9" long, thin and strong and handle this important adjustment easily and effectively. The heads are narrow and pointed, the handles slim and thin.

Clears obstructions such as shock absorbers and frame fittings easily by working through and around such interfering parts. They have thinner and wider contact points, perfect balance and that sensitive touch so necessary for locating and adjusting the cog screw on brakes.

Adjusting brakes on the new V-8 with the ordinary straight wrench is a very dirty, messy and difficult job. This new wrench was designed with special bends and offsets to easily reach behind the wheel and tire. It clears shock absorber arms, brake drums and other obstructions, leaving the operator's hands free to do a perfect job of adjusting quicker and easier. The 15" length provides the extra leverage to break loose frozen and corroded nuts.

Lightness and thinness with maximum strength are some of the outstanding features of these wrenches. The 8-point openings of $\frac{7}{16}$ " and $\frac{1}{2}$ " slip over the square nuts in a positive way, gripping them at any angle and permitting either a short or full turn. The 11" length gives plenty of leverage to turn nuts in a frozen or rusted condition.

When brake adjustments must be made through the drum either inside or outside the wheel this wrench will be found invaluable. It has a special $2\frac{1}{2}$ " offset and is ideal to fit the adjusting nuts on Bendix and Steeldraulic internal brakes. Also well suited for connecting rod service on Ford V-8. Not guaranteed against breakage because of the extreme thinness.



"Van-Chrome" No. 2333V Ford V-8 Brake Wrench

Special Offsets—Extra Long Reach—For New Models

Drop Forged from Chrome Alloy Steel

The unique offsets on this special wrench clear the obstructions encountered in adjusting the new Ford V-8 brakes. The extra long handle gives greater leverage. Fits all models.

Satin nickel finish. 8-point openings, $\frac{7}{16}$ " for passenger cars and $\frac{1}{2}$ " for trucks. Length 15". Weight 13 ozs. 6 to the box.

LIST PRICE, each.....\$2.20



Ford Brake Wrenches

For Models A, AA, B, BB and V-8

Drop Forged from Chrome Vanadium Steel

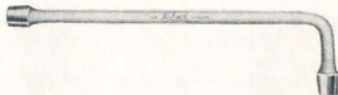
Finished in satin nickel with bright polished heads.

No. 2333, Chrome Vanadium Steel. 8-point openings $\frac{7}{16}$ " and $\frac{1}{2}$ ". Length 11". Weight $7\frac{1}{2}$ ozs.

LIST PRICE, each.....\$1.30

No. 2332, same design as above but forged from carbon steel. 8-point openings $\frac{7}{16}$ " and $\frac{1}{2}$ ". Length 11". Weight 14 ozs.

LIST PRICE, each......80



Offset Socket Brake Wrench No. 271

Forged from Chrome Vanadium Steel

Satin nickel with bright heads. 6-point openings $\frac{7}{16}$ " and $\frac{1}{2}$ ". Length $11\frac{1}{2}$ ". Weight 13 ozs. 6 to the box.

LIST PRICE, each.....\$1.60



"Van-Chrome" King Pin Remover No. 2376

For All Ford Models

Chrome Vanadium Steel

Method of operation: The half round bolt goes through the king bolt lock pin hole. The adjusting set screw at the small end of the arm is necessary for proper alignment and butts up against the perch nut on 1937 models; on earlier models it butts up against the axle. A centering nipple is supplied with the tool; the large end goes against the forcing screw and the small end against the king pin.

Satin nickel finish, polished bolt heads. Weight 4 lbs. 6 ozs. Individually boxed.

LIST PRICE, each.....\$8.30



King Pin Punch No. 2357

For All Ford Models

Made from Chrome Molybdenum Steel

Satin nickel with polished ends. Length 4". Weight 7 ozs.

LIST PRICE, each\$.80

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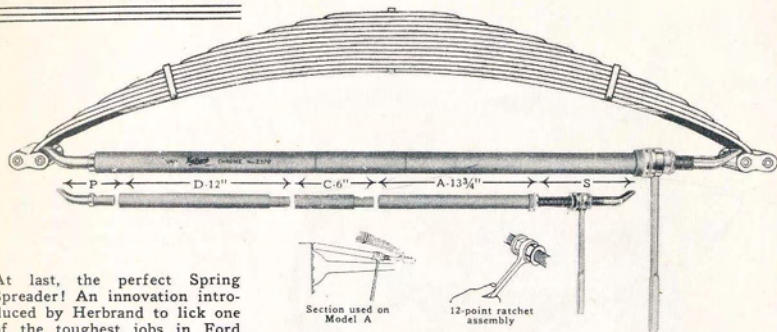
Removing king pins is one of the toughest service jobs on Ford cars and this husky special tool pushes them out easily and takes the "fight" out of them even though rusted and frozen. The service man is frequently called upon to replace Ford king pins and this tool is indispensable, especially where time-saving is a factor.

The "Van-Chrome" King Pin Remover is the most efficient and practical for all models including the 1937 V-8's and 60.

The short, adjusting set screw on the small end of the drop forged arm is required for leveling the tool and the long forcing screw exerts the tremendous power necessary to break loose and push out frozen king pins.

All parts are made from special analysis Chrome Vanadium Steel and carefully heat treated to withstand the abuse that this tool must take.

This simple Punch will remove most king pins with a few hammer blows. When pins are extra tight, jack up car, place anvil or solid base under the spindle, slip the tool into king pin and lower car until weight is resting on the Punch; strike axle sharply on top and the king pin is forced out without damaging spindle.



“Van-Chrome” Spring Spreader No. 2370

Improved—Adjustable for All Model Fords

For Both Front and Rear Springs

Spring Spreader Use Chart

MODEL AND YEAR	REAR SPRING	FRONT SPRING
Model A & B 1928 to 1933	Units A & S Used Between Differential Housing & Spring Eye Min. Exp. 18 1/2" Max. Exp. 27 1/2"	A & C & P & S Min. Exp. 28" Max. Exp. 37"
Model V8 1932-1933-1934	Parts A & C & D & P & S Min. Exp. 40" Max. Exp. 49"	A & C & P & S Min. Exp. 28" Max. Exp. 37"
Model V8 1935-1936-1937	Parts A & C & D & P & S Min. Exp. 40" Max. Exp. 49"	A & D & P & S Max. Exp. 34" Max. Exp. 43"

This Spring Spreader is constructed in segments to provide the correct lengths that make it universal for all Ford springs. The new lengths of Segments A and D broaden its range and make it more serviceable for model A rear springs.

No. 2370 Spreader. Comprises Segments 2370A, 2370C, 2370D; Wedges 2370P and 2370S; Ratchet Handle 2370H; Nut and Thrust Washer 2370N. Weight 18 lbs. Satin nickel.

LIST PRICE, complete.....\$19.00

No. 2370A, Segment 13 3/4" long.

LIST PRICE, each.....2.40

No. 2370D, Segment 12" long for use to overcome the variation of springs on some models.

LIST PRICE, each.....2.70

No. 2370P, New Style Spring Engaging Wedge to prevent slipping—especially efficient on 1937 models.

LIST PRICE, each.....3.00

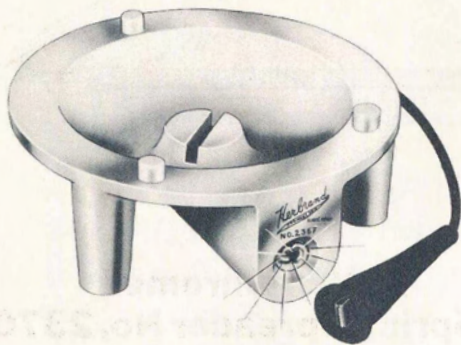
No. 2370S, New Style Threaded Spring Engaging Wedge.

LIST PRICE, each.....4.80

At last, the perfect Spring Spreader! An innovation introduced by Herbrand to lick one of the toughest jobs in Ford service work. Engineered to efficiently and easily handle both front and rear springs on all Fords from 1928 model A to the latest V-8 models. All mechanics know the grief and loss of time occasioned when working on axles, springs, shackles, replacing spring leaves and similar jobs. This tool enables one man to spread the springs for disassembling or complete removal of the rear end. It brings the spring eyes to exactly the right position for quick insertion of the shackles.

The Chrome Vanadium twelve-point ratchet handle expands the springs easily and works freely under pressure. A few turns of the ratchet spreads the springs and holds them securely in place while all work is being completed. This self-contained tool has no trick attachments and is scientifically perfected to handle the complete range of Ford spring service work because it is adjustable to the correct length by the use of segments. Broken spring leaves are replaced or new springs installed with a great economy of time.

Makeshift and hazardous methods of jacking and blocking springs are now eliminated. Herbrand Spring Spreaders insure safety for the mechanic, are simple and speedy in action and effect real economies.



Distributor Timing Synchronizer No. 2367

For Ford V-8, including 1937 Models

Gives Quick, Dependable Analysis

For a perfect test distributor or breaker points must first be properly spaced. Place distributor on the Synchronizer with coil in place making sure that distributor seats firmly on all three posts. Loosen the distributor adjusting screw and turn until light flashes on, then tap the adjusting screw just enough in the opposite direction so that the light will go out and the distributor is accurately timed. If the points have been properly spaced this tool checks the distributor in one position which automatically times it in all other positions.

Equipped with two batteries and Mazda lamp. Individually boxed with complete instructions.

Attractively nickel plated. Diameter 5¼". Weight 2 lbs. 12 ozs.

LIST PRICE, each.....\$7.60

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Accurate timing of the distributors of today's high speed engines is the key to the successful performance of the modern motor car. An ignition expert's service is no longer required to show the true condition of the distributor and accurately time the ignition. The newly perfected Herbrand Synchronizer is so simple to use and works so perfectly that any mechanic can give the customer a quick, dependable analysis of the ignition and timing condition.

This modern, scientific testing device which saves time, prevents guesswork and increases service business is available at a very moderate price, yet functions just as effectively as the more complicated expensive types.

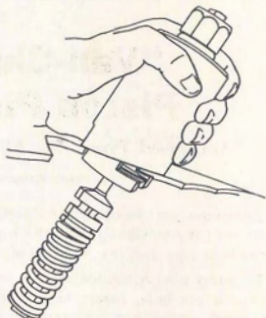
All shops servicing Ford cars and trucks will find the Ford V-8 Synchronizer a vitally essential tool because an accurate job of analysis and timing the distributor cannot be done without the use of a dependable synchronizer. For peak motor performance this test should be made at least every 10,000 miles.

Every garage doing Ford work daily encounters the problem of removing the entire valve assembly. When the guides are carboned or badly burned the valves stick and it is impossible to drive them out or pry them loose without damaging valve guides or block. The application of a powerful prying force tends to cock the guide and causes it to bind. Cases are known where prying has cracked the block.

The Herbrand Valve Assembly Puller is specifically designed to overcome the toughest valve pulling jobs without loss of time and without damage to parts. The sturdy sleeve which houses the puller cup and threaded stud is specially angled to exactly face up with the block and exert a perfectly straight pull. There is no cocking of the valve assembly or binding to prevent the full force of the pull being effective on the guide.

The one piece pulling cup is designed with unique slots and grooves to perfectly fit the head of the valve. A simple sliding motion engages the valve heads under any conditions and avoids all fumbling and dropping or loss of loose parts. The pulling assembly rides freely but without lost motion inside the accurately fitting sleeve.

A Chrome Alloy thrust washer is placed directly under the special large sized forcing nut on the center of the sleeve which evenly distributes the strain and concentrates the pull on a perfect center. A positive, one-man tool that is absolutely necessary to simplify one of the toughest pulling jobs found on Ford work.



The above sketch shows the Puller in position ready to dislodge the valve assembly. It portrays the ease and simplicity with which the one-piece pulling cup engages the valve stem head, regardless of position and without loss of time.

No. 2364 "Van-Chrome" Valve Assembly Puller

For All Ford V-8 Passenger Cars and Trucks

Chrome Molybdenum Steel

To operate:

1. Remove slotted lock from valve assembly.
2. Raise valve sufficiently with lifting bar to slide puller cup, attached to stud, over valve head.
3. Slide grooved puller cup over valve head.
4. Place outer sleeve over pulling assembly with flat face (marked top) toward center of the block.
5. Run pulling nut down over thrust washer and tool is ready to pull.

All pulling parts are accurately machined from select Chrome Molybdenum Steel and expertly heat treated. Finished in satin nickel.

Height 5". Weight 2 lbs. 14 ozs. Individually boxed.

LIST PRICE, complete.....\$8.25



"Van-Chrome" Piston Pin Tools

Improved Type—For All Fords Except V8-60

Chrome Vanadium Steel

To remove pin: Insert shank through the pin and screw the nose on until it sets tightly. Tap the nose with hammer jarring loose the lock ring and the pin is readily withdrawn.

To insert pin: Assemble the pin in the tool. Heat the piston to expand pin hole. Insert nose of tool in the piston and tap it through piston and connecting rod bearing until the locking ring seats itself and the pin is in place.

No. 2351, For Ford Models A, AA, B, BB. Length 10 $\frac{1}{4}$ ". Weight 1 lb. 9 ozs. Satin nickel with polished ends. 6 to the box.

LIST PRICE, each\$2.35

No. 2352, For Ford V-8. Length 8". Weight 11 ozs.

LIST PRICE, each 2.10

Newly designed with advanced engineering improvements for removing and inserting piston pins on all Ford cars in record time. An important feature of superiority is the elimination of the hazard of starting the pin improperly and damaging the piston.

It is a two piece tool heavily cross-knurled at both ends with threaded shank and a tapered tubular nose into which the shank is screwed. Constructed in such a manner that it is quickly assembled without the aid of any special tools. Machined from the finest Chrome Vanadium Steel, ground to precision standards, expertly heat treated and tempered so that hard use will not wear the pilot.



"Van-Chrome" Valve Guide Knockouts

For All Ford Models Except V8-60

Drop Forged from Chrome Vanadium Steel

Satin nickel finish. Length 9". Weight 7 ozs. 6 to the box.

No. 2353 for Models A and B.

LIST PRICE, each\$.90

No. 2354 for V-8 Models.

LIST PRICE, each90

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These Knockouts are not only drop forged from the highest grade of Chrome Vanadium Steel but are toughened by the most scientific heat treating to withstand the constant hammering to which they are subjected. They are absolutely dependable and will not distort or bend even at the offset, which is carefully designed to clear the valve seat. Knurled handle for good grip. Triple plated in satin nickel.



A Combination Tool that is quick in operation, simple and positive in action. Light in weight and well supported so it will not twist or slip off the job. Adjusts to 20" length for a powerful leverage and when not in use telescopes to a handy 12" length to fit in the tool box. The patented, extra thin jaws are toughened by heat treating.

The top of the internal sliding bar is equipped with a locking plunger which firmly holds the external tube at the extreme 20" working length. The underside of the tube is drilled with a retaining hole which permits assembling the tool in a reverse position if the small re-compressing jaw on the tube interferes with the working efficiency of the tool on certain jobs.

Ford Valve Spring Lifter and Compressor VL-502

Special for All V-8 Models Except V8-60

Adjustable Length — Spring Assembly Feature

The distinctive, re-compression feature operates by sliding the tool together. No extra loose pieces are required and it is unnecessary to take valve parts to a vise for assembly.

Satin finish. Length adjustable 12" to 20". Weight 1 lb. 10 ozs.

LIST PRICE, each.....\$3.30

New Ford Valve Lifter No. VL-506 for Model V8-60

The spring jaw of this new Valve Lifter for 60 H. P. Ford is inserted in the spring assembly, using the heel as a fulcrum for releasing the key lock. Then insert the jaw in the lower spirals of the valve spring and adjust the special, sliding block to the correct position on the handle which creates the leverage to push the entire valve assembly out through the valve port.

Satin finish. Length 19". Weight 1 lb. 8 ozs.

LIST PRICE, each.....\$2.50



This tool is offered to those Ford mechanics who prefer the solid bar type. Designed with a combination of two distinctive jaws in one head, correctly sized and offset for servicing all V-8 models. The 24" length provides ample leverage for compressing the stiffest springs. Drop forged in one piece from special Tool Steel. The large knurled handle gives a firm, steady grip.

This tool has been redesigned with heavier and stronger jaws to handle the new, stiffer springs.

Ford Valve Spring Lifter No. 2365

Improved—For All Models of V-8 Except V8-60

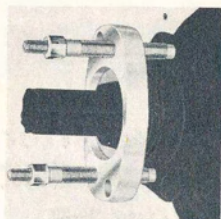
Drop Forged from Tool Steel

To service models 1932-33: Insert fork near bottom of spring, depress handle, using opposite block as a fulcrum.

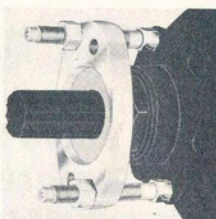
To service models 1934-37: With heel of tool upward, insert fork near lower end of valve guide. Pull upward on handle and remove horse shoe lock. Reverse tool, push down on handle and valve and guides will push out at top of block.

Triple nickel plate. Length 24". Weight 2 lbs. 6 to the box.

LIST PRICE, each.....\$2.10



Removing



Replacing

"Van-Chrome" Pinion Shaft Remover and Replacer No. 2366

For Ford V-8—All Models

Drop Forged from Chrome Vanadium Steel

With this pusher and puller it is unnecessary to disassemble the entire rear end on the Ford V-8 in order to remove and replace the pinion shaft, bearings and pinion.

Finished in satin nickel. Weight 2 lbs. 4 ozs.

LIST PRICE, each.....\$7.15

To remove the shaft: First take off pinion bearing adjusting nut, place tool in position with the forcing screws against the banjo housing, replace bearing adjusting nut and tighten against body of tool to hold it in place. Turn forcing screws and pinion shaft is quickly removed. (See photo at left.)

To replace the shaft: Place bearing adjusting nut on shaft, use forcing screws in reverse position and turn them into the tapped holes in the housing, then force the body of the tool against the adjusting nut by turning down the hex nuts on the stud until the pinion is pushed into place.



"Van-Chrome" Shackle Bushing Punches

Three Sizes for All Ford V-8's

Chrome Vanadium Steel

Heat treated to insure long life. Satin nicked with polished bit. Length 7". Weight 1 lb. 3 ozs. Packed 6 to the box.

No. 2348, for use on $\frac{1}{8}$ " shackle of V-8 rear spring.

No. 2349, for use on $\frac{3}{4}$ " shackle of V-8 front spring.

LIST PRICE, each.....\$1.80

No. 2349T, for use on $\frac{1}{8}$ " shackle of V-8 Truck front spring.

LIST PRICE, each.....\$2.00

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Made to conform to the contour of the shackle bolt they remove and replace rubber shackles on the Ford V-8 with a minimum of time and effort. Sized to fit the end of the shackle bolt, which eliminates the possibility of splitting the case, a common hazard when make-shift tools are used. The handle is knurled for a sure grip.

This special drop forged Adaptor will work with any stud type wheel puller for service on 1936 and later Ford V-8 hubs. Simply space two pulling arms on any stud type wheel puller to engage the bolts of the Adaptor; slide the entire assembly into the groove in the hub and turn up the forcing screw of the wheel puller. This applies a straight steady pull, eliminating danger to the operator and damage to parts.

Refer to page 22 for Universal and Special Ford Wheel Pullers.

The battery on the new 1937 Fords is located under the dash where it is difficult to reach the hold-down nuts. Limited clearance and awkward position necessitates this specially designed wrench with its extra deep, thin walled socket. Every service station will find it a big time and labor saver due to the ease and speed with which it handles this frequent service job. The 4" bend of the handle provides a firm grip and free turning radius.

The split type bushing is very difficult to insert without the proper tool because it has a tendency to overlap and buckle in the spindle. Removing Ford king pin bushings often necessitates disassembling the whole front end. This special Bushing Punch entirely eliminates these irksome difficulties and does the work quickly and perfectly. It is equally efficient for either the insertion or removal.



"Van-Chrome" No. 825A Wheel Puller Adaptor

For Late Models Ford V-8

Drop Forged from Chrome Vanadium Steel

No. 825A Adaptor converts any stud type wheel puller for service on 1936 and later Ford V-8 hubs. Weight 3 lbs. Nickel plated.

LIST PRICE, each\$4.10



"Van-Chrome" Battery Hold-Down Bolt Wrench 2342

For 1937 Ford Models

Forged from Chrome Vanadium Steel

Satin nickel finish, polished head. 6-point tapered socket, opening $\frac{9}{16}$ ". Length 7". Handle 4". Weight 10 ozs. 6 to the box.

LIST PRICE, each\$1.40



"Van-Chrome" Spindle Bushing Punch No. 2358

For All Fords and Other Popular Cars

Made from Chrome Molybdenum Steel

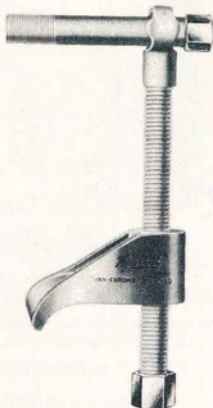
Satin nickel finish, polished ends. Length $2\frac{3}{8}$ ". Weight 4 ozs.

LIST PRICE, each\$1.00

"Van-Chrome" Ford Motor Jack No. 2360

For Late V-8 Models
Except V8-60

Chrome Vanadium Steel



Mechanics appreciate the safety, ease and convenience with which the "Van-Chrome" Ford Motor Jack simplifies these otherwise complicated jobs.

Satin nicked. Height 9". Weight 2 lbs.

LIST PRICE, each.....\$5.80

When the mechanic finds it necessary to raise the motor on the Ford V-8 for dropping the crank case this tool is indispensable. It not only raises the motor and holds it in position but provides the means of turning the motor over while working on the bearings, replacing rings, pistons or any of the numerous jobs performed with the crank case off.

It is not necessary to remove the hood and the car may be in any position on the garage floor. Simply remove the fan pulley nut, screw the threaded bolt into the crank shaft and rest the foot of the tool on the chassis. An easy turn of the forcing screw raises or lowers the motor to the proper working position. The use of a conventional jack is dangerous and frequently the shop is not in condition for the use of a chain hoist.



"Van-Chrome" Manifold Wrench No. 2335

A New Creation for Practically All Cars

Drop Forged from Chrome Vanadium Steel

The 12-point $\frac{1}{16}$ " opening on one end is offset $2\frac{1}{16}$ " and angled at 23° which is essential for clearance and fits the lower, center and lower rear exhaust manifold nuts on V-8.

The opposite end is angled at 50° for clearance on the cylinder block. The handle has a 10° offset to clear steering column.

Satin nickel. 12-point openings $\frac{1}{16}$ ". Length $8\frac{1}{2}$ ". Weight 6 ozs.

LIST PRICE, each.....\$1.80

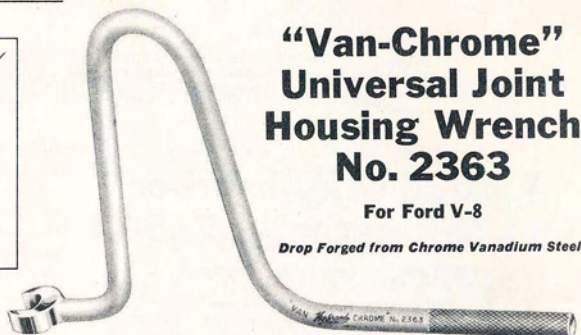
page 142

Designed with unique offsets, angles, twists and bends to clear obstructions where ordinary wrenches are useless, and to easily function in tight, close-quarter places for which no wrenches have been available.

The precision angles and deep offset heads make this new wrench especially adaptable for efficient work on the exhaust manifold nuts on many of the popular late model cars including Ford, Chevrolet, Dodge, Graham, Plymouth, Pontiac, Terraplane, Studebaker and others.



The only tool that will reach the two bottom cap screws on the Ford V-8 universal joint housing. These screws cannot be reached either from top or bottom and the position of the radius rods makes them inaccessible with an ordinary wrench.



"Van-Chrome" Universal Joint Housing Wrench No. 2363

For Ford V-8

Drop Forged from Chrome Vanadium Steel

The unique bends of this Special Wrench clear the radius rods and all obstructions and give ample throw simplifying this otherwise impossible job. The above sketch portrays how easily the Herbrand Wrench masters this difficult operation. Any mechanic who has tackled this job will see at once the saving in time and temper that this wrench will give.

Length 13". Throw 8". Weight 1 lb. 5 ozs. Satin nickel plated.

LIST PRICE, each.....\$2.50



Headlight and Horn Nut Wrenches

For Ford V-8, Hudson and Terraplane

Drop Forged from Chrome Molybdenum Steel

Mechanics have always experienced difficulty and loss of time when adjusting headlight and horn nuts due to interfering wires. The 12-point, box type slotted heads permit adjusting or removing the headlight and horn nuts without disconnecting the wiring. Extra rigid jaws prevent springing off the nut when pressure is applied.

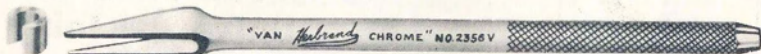
Two sizes are necessary:

No. 2344V, openings $1\frac{5}{16}$ " and $1\frac{1}{16}$ ", fitting headlight nuts on all V-8's including 1936 models.

No. 2344, openings $\frac{3}{4}$ " and $1\frac{1}{16}$ ". The $\frac{3}{4}$ " end fits horn nuts on all V-8 models, the $1\frac{1}{16}$ " end fits headlight nuts up to 1935, also Hudson and Terraplane.

Satin nickel finish. Length 12". Weight 13 ozs.

LIST PRICE, each.....\$1.90



Ford Shock Absorber Link Separator No. 2356V

For Late V-8 and Other Models

Drop Forged from Chrome Molybdenum Steel

To operate: remove the nut from the tapered bolt that holds the shock absorber link. Place the wedge shaped fork between the link and shock absorber arm and a few sharp blows with a hammer forces the tapered bolt out of the arm. A spacing collar is supplied with each tool for use on 1934 Ford shock absorbers.

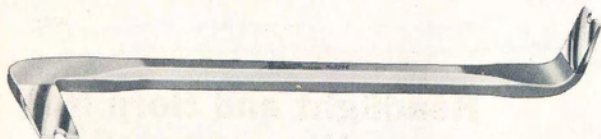
Satin nickel finish, polished ends. Length 15". Weight 1½ lbs.

LIST PRICE, complete, tool and spacing collar.....\$4.10

LIST PRICE, spacing collar only......60

Shock absorber links should not be removed by driving against the bolt with a hammer because threads become mutilated and also there is too much spring in the arms. This newly designed tool is specially built to do this difficult job with a minimum of energy and time.

The long tapered prongs are accurately sized to readily wedge between the parts and quickly separate them. This tool is essential to take care of the shock absorbers incorporating recent engineering changes. For separating tie rod joints it is equally efficient.



Shock Absorber Adjusting Tool No. 2346

For Ford V-8 Early Models

Drop Forged from Chrome Tungsten Steel

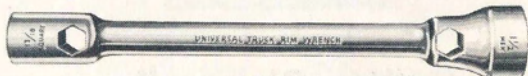
Octagon handle for firm grip and to prevent turning in hand. Finished in double satin nickel plate with heads polished to a high lustre.

Length 6½". Weight 4 ozs. Packed 6 to the box.

LIST PRICE, each.....\$.95

page 144

Both heads are offset 90° but each head is set at a different angle to readily engage the slot in the adjusting nut regardless of its position. It has ample length and proper offsets to reach through the wheel spokes for speed and easy handling. Each blade is notched to clear the pin and ground accurately to correct slot gauges. This insures a firm, positive grip which avoids slipping and mutilation of parts.



Equipped with the three necessary opening sizes, $1\frac{1}{8}$ " hex, $1\frac{1}{2}$ " hex and $1\frac{3}{8}$ " square in the base of the $1\frac{1}{8}$ " hex socket to make it a complete Rim Nut Service Wrench for all Ford trucks. The deep openings are forged accurately for quick and positive engagement of the wheel nuts. The 20" hexagon leverage bar, which is supplied as a part of this set, exerts a power that no nut can resist and spins them off in record time. No Ford truck operator can afford to take chances without this unit.

Ford Truck Rim Wrench Set No. 1152F

Complete for Trucks—Three Opening Sizes

Forged Solid—No Welds

Forged from solid bars of select steel, with extra deep powerful sockets, expertly heat treated to withstand gruelling punishment and finished in satin nickel.

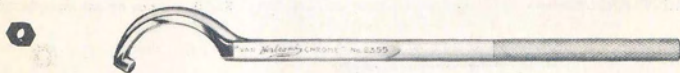
Wrench openings, $1\frac{3}{8}$ " square, $1\frac{1}{8}$ " hex and $1\frac{1}{2}$ " hex. Length $15\frac{1}{4}$ ". The Hex Leverage Bar is 20" long. Weight 7 lbs.

No. 1152F, Wrench and Handle.

LIST PRICE, *complete*.....\$3.05

No. 1152H, *Handle only.*

LIST PRICE..... 1.10



The filler neck of the gas tank on all Ford V-8 Models extends through the left rear fender. This location is inaccessible with ordinary tools. When replacing fenders or if leakage occurs the filler neck must be removed or tightened. The packing nut on the filler pipe of the gas tank cannot be successfully removed or tightened without this Spanner. It does the job quickly and without damage to finish or parts.

Gas Tank Spanner No. 2355

For Ford V-8 up to 1937 Models

Drop Forged from Chrome Vanadium Steel

Finished in satin nickel with brightly polished faces. The handle is knurled for perfect gripping quality.

Length $12\frac{1}{2}$ ". Weight 9 ozs. Packed 6 to the carton.

LIST PRICE, *each*.....\$1.70



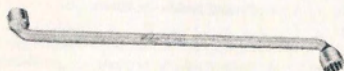
"Van-Chrome" Distributor Wrench No. 2382

For Ford V-8's and Lincoln Zephyr

Drop Forged from Chrome Vanadium Steel

12-point $\frac{1}{2}$ " opening. Length 8". Offset 3". Satin nickel finish, polished head. Weight 5 ozs. 6 to the box.

LIST PRICE, each \$1.80



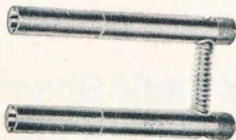
"Van-Chrome" Main Bearing Wrench No. 2331

For Fords A, AA, B, BB, V-8 Except Model 60

Forged from Chrome Vanadium Steel

Satin nickel finish with polished heads. Length $15\frac{1}{2}$ ". Weight 1 lb. 3 ozs. 6 to the box.

LIST PRICE, each \$2.20



Main Bearing Bolt Holder No. 2336

For Ford V-8 Except Model 60

Hot Forged from Chrome Alloy Steel

Length $8\frac{1}{2}$ ". Weight 2 lbs. 14 ozs. Satin nickel finish. Knurled for firm grip. Used efficiently with Wrench No. 2331.

LIST PRICE, each \$3.50

page 146

Necessary for removing or replacing the distributors on V-8 Fords including 1937 models 60 and 85; also for Lincoln Zephyr. The special angle bends and 3" offset are correct to do this difficult job in a minimum of time.

Heads are set at the correct angle for easy access and have a $\frac{3}{16}$ ", 8-point opening in one end and a $\frac{3}{4}$ ", 12-point opening in the other. Has the necessary $15\frac{1}{2}$ " length for reach and clearance on all main bearing bolts.

On Ford V-8 the main bearing bolts are reversed and set in deep countersunk holes. The 8-point $\frac{3}{16}$ " openings in this Special Wrench are hot forged to fit the square bolt heads regardless of position, because there is sufficient flexibility in the spring tension construction feature to hold both tool and bolts even though working in an upside down position. This tool is essential to hold the main bearing bolts from turning while adjustments are made.

A double end wrench, with 3" offset bent at right angles, has duplicate 6 point $\frac{7}{16}$ " openings with extra deep, very thin walled, tapered sockets for clearance. First apply short, offset end for leverage to break nut loose, then reverse wrench and spin off nut. This wrench is necessary for efficient work on new Ford 60 connecting rod nuts. Expertly forged and heat treated for long life.



This newly designed wrench is built for easy access to the main bearing nuts on the Ford 60 model. It has nominal openings of $2\frac{1}{2}$ " 6-point extra deep sockets on each end, specially sized and shaped to fit the tapered nuts, and has the correct bend and length of handle for clearance and power. Accurately forged from Chrome Vanadium Steel and carefully heat treated.



The new 60 Ford requires this special Spanner Wrench to service the water pump gland nut. Other wrenches cannot reach into the confined space behind the fan pulley and only the special bend of this Spanner will locate and grip the hidden and obstructed socket readily. Heat treated throughout for dependable service and the 11" length gives it generous reach and pull.



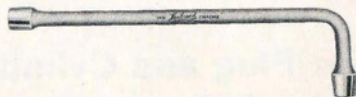
"Van-Chrome" Connecting Rod Wrench No. 2343-60

For Ford 60 Model

Forged from Chrome Vanadium Steel

Satin nickel plated, polished heads. Openings $\frac{7}{16}$ " hexagon tapered sockets. Length 11". Weight 12 ozs. 6 to the box.

LIST PRICE, each.....\$1.60



"Van-Chrome" 2331-60 Main Bearing Wrench

For Ford 60 Model

Forged from Chrome Vanadium Steel

Double end 6-point tapered sockets $2\frac{1}{2}$ " nominal openings. Length $11\frac{1}{4}$ ". Weight 12 ozs. Satin plate, polished heads.

LIST PRICE, each.....\$1.80



"Van-Chrome" 2383-60 Water Pump Spanner

For Ford 60 Model

Drop Forged from Chrome Vanadium Steel

Finished in satin nickel. Knurled handle. Length 11". Weight 6 ozs. 6 to the box.

LIST PRICE, each.....\$1.50

Many additional Ford Service Tools are illustrated throughout this Catalog

Carburetor Jet Wrench 1955

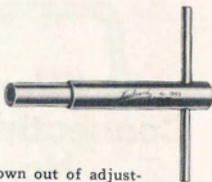
Oblong Opening for Late V-8's

Hot Forged and Heat Treated

Carburetors are often damaged or thrown out of adjustment by using makeshift tools.

Satin nickel finish. Length 2½". Handle 2½". Weight 1 oz.

LIST PRICE, each.....\$.70



A necessary tool with an oblong hot forged socket opening to adjust the carburetor jets. Every mechanic needs this tool to service the recent change of these fuel jets. Designed with the necessary length and the proper thinness for speed and efficiency.



Spark Plug and Cylinder Head Wrenches

For Ford Models T, A, AA, B, BB and V-8

Drop Forged and Heat Treated

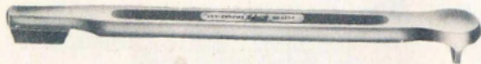
Satin nickel finish. Length 10". Weight 12 ozs. 6 to the box.

No. 2334, (Ford No. B-17017), box end ⅝"; open end 1⅛".

LIST PRICE, each.....\$.50

No. 2334A, openings box end 1⅛"; open end 1⅝".

LIST PRICE, each......55



Made in two sizes, No. 2334 for Model T; No. 2334A for all later models, this Herbrand Cylinder Head and Spark Plug Wrench is recognized as the dependable Ford tool. Accurately sized and heat treated throughout.

"Van-Chrome" Tie Rod Tool No. 2350

For the Early Ford V8 Models

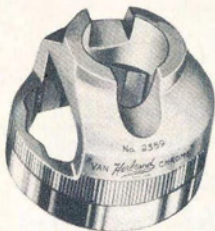
Drop Forged from Chrome Vanadium Steel

Length 7½". Thickness of blades ⅜". Width of blades 1⅛". Weight 6 ozs. Packed 6 to the box. Satin nickel finish.

LIST PRICE, each.....\$1.30
page 148

Close coupled for cramped quarters, the double end special offset bits work perfectly and efficiently on 1933 to 1935 V-8 tie rod adjustments as well as other makes of cars. The bits are accurately sized to snugly engage the slots for which they are intended. Also a time saver for filler plugs on Chevrolet and Pontiac shock absorbers.

The radiator need not be removed to reach the fan pulley nut with this special Socket. Simply insert a standard crank handle after the Socket is seated on the nut. Very essential on late models where the fan pulley must be loosened to drop the pan. Hot forged with 12-point opening and machined to clear the spring saddle.

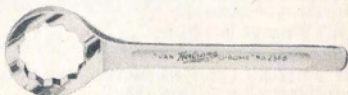


"Van-Chrome" Fan Pulley Socket 2359

For All Ford Models Except V8-60

Hot Forged from Chrome Molybdenum Steel

12-point opening $1\frac{3}{8}$ ". Satin nickel. Weight 4 ozs. 6 to the box.
 LIST PRICE, each.....\$1.60



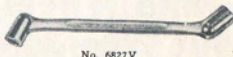
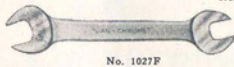
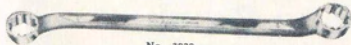
"Van-Chrome" No. 2368 Fan Pulley Nut Wrench

For Ford V-8 Models Except V8-60

Drop Forged from Chrome Vanadium Steel

12-point $1\frac{3}{8}$ " opening. Satin nickel finish with polished head. Length 8". Weight 8 ozs. 6 to the box.

LIST PRICE, each.....\$1.80



Ford V8 Service Wrenches

Drop Forged from Chrome Vanadium Steel

No. 6827V, Swivel Box Wrench. 12-Point Sockets $\frac{5}{8}$ " & $1\frac{1}{16}$ ".
 LIST PRICE, each.....\$2.70

No. 3929, Special Box Wrench. 12-Point openings $\frac{5}{8}$ " & $1\frac{1}{16}$ ".
 LIST PRICE, each.....1.25

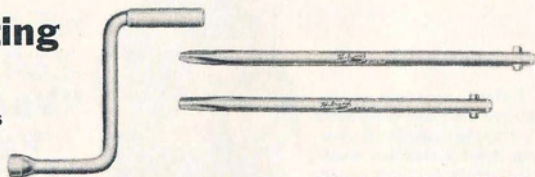
No. 1027F, Special Open End Wrench. Openings $\frac{5}{8}$ " and $1\frac{1}{16}$ ".
 LIST PRICE, each.....1.15

Unusually efficient for removing fan pulley nuts on all V-8 models except the 60 horsepower and essential when fan pulley must be loosened for dropping the pan. Place wrench on fan pulley nut, brace handle on frame cross-member, step on starter and nut will turn off automatically.

A triple combination unsurpassed in general service work on Ford V-8's. Three distinct types, No. 6827V, with 12-point openings and swivel heads that swing to any position; No. 3929, Box Wrench with special angle, and No. 1027F, open end, all of which combine $\frac{5}{8}$ " and $1\frac{1}{16}$ " openings which service 80% of the nuts daily encountered. The $\frac{5}{8}$ " end in No. 6827V is ideal for universal joints.

Ford Starting Cranks

For V-8 Models



No. 2339V (Ford Nos. 40-17036 and B17036C) Crank Handle and Rim Wrench. One end $1\frac{3}{16}$ " hex socket the other end a square drive to fit extensions listed.

Length $8\frac{1}{4}$ ". Weight 1 lb. 10 ozs.

LIST PRICE, each, Crank only.....\$.75

No. 2339-40. Extension (Ford Nos. 40-17040C and B17040B). Has tapered square drive to fit into Crank Handle. For use on V-8 models 1932-1934 inclusive.

Length $17\frac{7}{8}$ ". Weight 1 lb. 13 ozs.

LIST PRICE, each, Extension only......45

No. 2339-48 Extension (Ford No. 48-17040) to be used with 2339V Crank Handle. For 1935 and 1936 V-8.

Length $20\frac{1}{4}$ ". Weight 2 lbs.

LIST PRICE, each, Extension only......50

No. 2339V-40. Combination of Handle 2339V and No. 2339-40 Extension. Fitting all V-8 Models to 1935.

LIST PRICE, complete.....1.20

No. 2339V-48. Combination of Handle 2339V and No. 2339-48 Extension for V-8's up to 1937 inclusive.

LIST PRICE, complete.....1.25

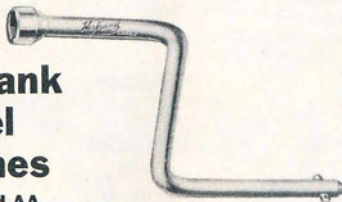
One special Crank Handle and two Extensions are required for service on all Ford V-8's from the original model up to 1935 inclusive. The Handle is a combination crank and rim nut wrench, one end having a $1\frac{3}{16}$ " solid forged hexagon socket to fit the rim nuts on all these models. The other end has a solid forged drive connection which engages the tapered extensions, providing the correct standard crank handles for the various models.

Forged from one piece of high carbon steel and heat treated throughout to prevent mutilation of contact pins and avoid bending of handles. Finished in rust resisting baked black enamel.

Starting Crank and Wheel Nut Wrenches

For Ford Models A and AA

Forged and Heat Treated



No. 2337 (Ford No. A17036B), For Model A. Socket opening $1\frac{3}{16}$ ". Length $14\frac{7}{8}$ ". Weight 2 lbs. Black enamel.

LIST PRICE, each.....\$.70

No. 2338A (Ford No. AA17036B), For Model AA. Socket opening $1\frac{1}{8}$ ". Length $14\frac{7}{8}$ ". Weight 2 lbs. 4 ozs. Black enamel finish.

LIST PRICE, each......75

One end is a crank handle, the other end a rim nut wrench. It is positive in action and will not slip. One tool to carry instead of two; always handy and convenient, and necessary Ford car equipment.

Forged from select steel and heat treated.

Reaches the exhaust manifold nuts without removing the carburetor adjusting rod. It has a $1\frac{1}{16}$ " 12-point socket opening on the 4" offset end; and a $1\frac{1}{16}$ " 12-point box opening on the other and clears the water outlet pipe. Will also handle all head bolts and manifold nuts.



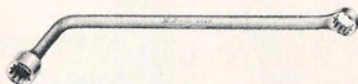
Special, extra thin wall Socket with $\frac{9}{16}$ " twelve point hot forged opening. Standard sockets will not handle this job. Due to extreme thinness necessary this socket is not replaceable. Has $\frac{1}{2}$ " square drive connection.



A long, slender wrench of T handle design for connecting rod work on V-8 Fords except V8-60 model. It has a very thin wall and is $9\frac{1}{4}$ " long to provide the necessary reach. The T cross bar is 10" long. Not guaranteed due to extreme thinness.



12-point openings, extra thin walls— $\frac{1}{2}$ " square drive connections to fit standard handle units. Other sockets for Ford service work including deep spark plug, pan service and sockets for nearly every application will be found on pages 8 to 21.



"Van-Chrome" Head and Manifold Wrench 2340

For Ford Models A, AA, B, BB

Drop Forged from Chrome Vanadium Steel

Finished in satin nickel plate. Length 15". Weight 15 ozs.

LIST PRICE, each.....\$2.20

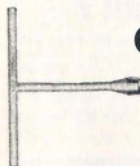
Connecting Rod Socket No. S-118V

For Ford V-8 Models Except V8-60

Hot Forged from Chrome Molybdenum Steel



LIST PRICE, each.....\$.85



Connecting Rod Wrench No. 2343

Forged from Chrome Vanadium Steel

Satin nickel. 12-point socket opening $\frac{9}{16}$ ". Length $9\frac{1}{4}$ ". Weight 1 lb. 6 ozs. Packed 6 to the box.

LIST PRICE, each.....\$1.40

Connecting Rod and Main Bearing Sockets

For Ford Models A, B and V-8

Hot Forged from Chrome Molybdenum Steel

No. S-121, $2\frac{1}{32}$ " opening for Ford A and B connecting rods.

LIST PRICE, each.....\$.80

No. S-124, $\frac{3}{4}$ " opening for rear main bearing work on all Fords except V8-60.

LIST PRICE, each......85





Rear Wheel Bearing Wrench No. 1947

For Chevrolet Trucks—The Only Tool That Does The Job

Height $6\frac{1}{4}$ ". Length of bar 20". Weight $7\frac{1}{2}$ lbs. Nickel plated.

No. 1947. Wrench and Leverage Bar. LIST PRICE, comp.....\$8.70

No. 1947W. Wrench without Bar. LIST PRICE, each..... 7.10

Late model Chevrolet trucks with full floating rear axles absolutely require this wrench to remove the lock nuts and adjust the rear wheel bearings. The two lock nuts which hold the wheel bearings in place are the spanner type carrying six slots and will not respond to any other type tool.

The tool is milled with six evenly spaced teeth that accurately fit the slots in the lock spanner nuts. The built-in pilot automatically centers in the axle tube and provides an easy means of removing the nuts and drawing them up tightly into position. The top of the tool is crossed drilled with $\frac{3}{4}$ " holes to fit the 20" leverage bar which is supplied with the tool, or may be purchased as an accessory.



Universal Joint Bushing Punch No. 1959

For Chevrolet Trucks

Drop Forged from Chrome Vanadium Steel

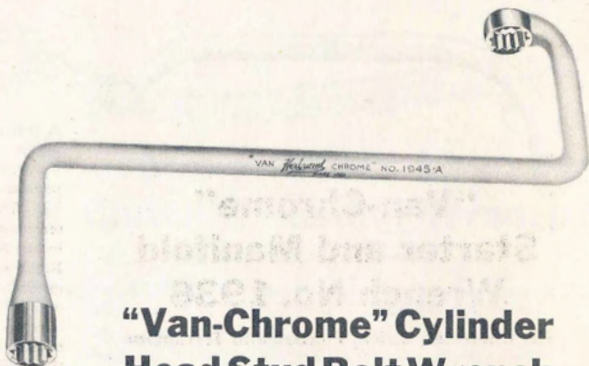
This Tool works through the universal joint to drive out the opposite bushings. The spring locks, which hold the bushings in place, must first be removed.

Length 8". Weight $9\frac{1}{2}$ ozs. 6 to the box. Nickel plated.

LIST PRICE, each.....\$1.35

page 152

A New Flat Tapered Punch designed for driving out the four bushings in the one piece trunion universal joint used on late model Chevrolet trucks. The universal joint must be taken apart to drop the drive shaft when doing clutch, transmission or fly wheel work. This special Punch permits doing these jobs without pulling the rear end and effects a decided saving in time and labor. The driving end of this special Punch is correctly sized and tapered to perfectly fit the bushings.



"Van-Chrome" Cylinder Head Stud Bolt Wrench No. 1945A

For All Chevrolets Including 1937 Models

Drop Forged from Chrome Alloy Steel

Late model Chevrolets require this special wrench to efficiently handle cylinder head stud bolts. The special angles and bends, combined with the proper box and socket type openings, conveniently reach all the studs from one side of the motor.

The 12-point box opening is set on a reverse bend to engage the center head bolts located under the rocker arms and the clearance from the handle to the face of the wrench head is correct for perfect clearance of the rocker arms, coil box and oil line.

The 12-point socket end is angled at 90° to the handle and has the correct offset for clearance of the rocker arms when working on head bolts across the motor. Scientifically engineered with a 11½" handle which provides the exact leverage required to break loose the most stubborn studs or tighten them securely without the danger of twisting or breaking them off.

This wrench is specifically designed to save time when removing or replacing cylinder head stud bolts and to eliminate the hazard of twisting them off. The combination of different type openings, the special angles at which they are set, and the unique bends make this wrench ideal for working from any position.

On the 1937 Chevrolet models the center motor head bolt under the rocker arm is obstructed by the oil line. Because it is necessary to tighten the head bolts while the motor is hot it is undesirable to disconnect the oil line. The 12-point box opening set on the special reverse bend engages this bolt readily and clears all obstructions without removing parts.

Drop forged from select Chrome Alloy Steel and heat treated all over to withstand the extreme pulling force necessary to properly tighten the head bolts. The 12-point openings are accurately sized to take a full, firm grip on the bolt heads without slipping.

Openings, 12-point ¾" socket and 12-point ¾" box type. Satin nickel plated with polished heads. Length 11½". Weight 1 lb. 10 ozs. Packed 6 to the box.

LIST PRICE, each \$2.35
page 153



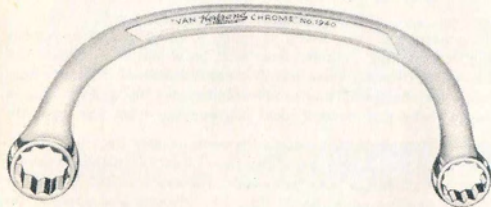
"Van-Chrome" Starter and Manifold Wrench No. 1936

For Chevrolet, Buick, Pontiac and Terraplane

Drop Forged from Chrome Molybdenum Steel

12-point openings $\frac{5}{8}$ " and $\frac{3}{4}$ ". Satin nickel finish, polished heads. Length 8". Weight 5 ozs. 6 to the box.

LIST PRICE, each.....\$1.30



"Van-Chrome" No. 1940 Starter Nut Wrench

For All Models Chevrolet

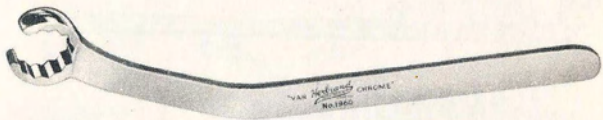
Drop Forged from Chrome Vanadium Steel

12-point openings $\frac{5}{8}$ " and $\frac{3}{4}$ ". Satin nickel finish. Length 7 $\frac{3}{4}$ ". Weight 5 ozs. 6 to the box.

LIST PRICE, each.....\$1.40

A real time-saving tool that replaces many special, costly wrenches. Combines 12-point popular openings of $\frac{5}{8}$ " and $\frac{3}{4}$ ". The $\frac{5}{8}$ " opening fits Buick, some models of Chevrolet, Studebaker, Pontiac Six and Pontiac Eight starter nuts, also Buick manifold. The $\frac{3}{4}$ " opening fits nuts on Buick heat trap and carburetor, Terraplane starter and buretor, Terraplane starter, and the manifold nuts on Chevrolets, Oldsmobile 6 and 8, Ford V-8's, Pontiac 6 and 8, and other cars. The unique design and thin heads permit reaching around corners and obstructions.

Combining the two popular 12-point openings, $\frac{5}{8}$ " and $\frac{3}{4}$ ", this new special bend wrench clears all obstructions for immediate contact with the nuts on the starter motor housing on all Chevrolet models. The $\frac{5}{8}$ " opening takes care of the nuts on all cars up to 1937, and the $\frac{3}{4}$ " end handles the 1937 models. The unusual contour, extra deep bends and popular combination of openings adapts the wrench to many applications where space is confined and nuts are badly obstructed.



Another time saving tool that simplifies clutch adjustments on late model Chevrolets. Properly angled, the offset head has the correct pitch for easy clearance, and the bend of the handle is the proper degree to readily engage for efficient adjustment. The 12-point box type opening is slotted to avoid interference of obstructions and readily slide over the shaft on the clutch pedal.

Chevrolet No. 1960 Clutch Adjusting Wrench

Drop Forged from Chrome Vanadium Steel

The unique offsets, angles and bends of this tool clear all obstructions encountered in clutch work. Fits 1936 and 1937 models.

Satin nickel finish. Twelve point $\frac{3}{4}$ " slotted opening. Length 9". Weight 5 ozs. Packed 6 to the box. Not guaranteed.

LIST PRICE, each.....\$1.50



"Van-Chrome" Steering Eccentric Nut Wrenches

For Late Model Chevrolet and Other Cars

Forged from Chrome Vanadium Steel

A combination of three companion tools for adjusting the steering eccentric on Chevrolets from 1931 to 1937, also for service on other popular cars. The lock-nut or bolt is set in the channel of the frame where it is very inaccessible. Wrench No. 1961 has the required offsets and bends to hold this bolt while adjusting the steering eccentric nut.

The two extra deep special length sockets, Nos. 1962 and 1963, are perfect for adjusting the steering eccentric nuts. They have $\frac{1}{2}$ " service connections for use with any standard ratchet.

No. 1961 reaches down into the frame channel and holds the bolt securely while steering eccentric adjustments are made and is especially necessary on 1935 and 1936 Chevrolet. No. 1962 Special Socket has a $\frac{7}{8}$ " twelve-point opening and fits the 1936 Chevrolet and other cars. No. 1963 Socket has a $\frac{15}{16}$ " twelve-point opening to fit Chevrolet Models 1931-1935 and 1937.

Finished in satin nickel. Packed 6 to the box.

No. 1961. 12-point opening. Length $8\frac{1}{4}$ ". Weight 5 ozs.

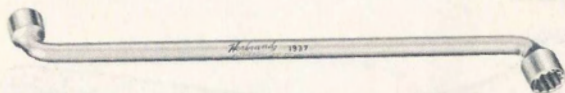
LIST PRICE, each.....\$1.25

No. 1962. 12-point opening $\frac{7}{8}$ ". Height $2\frac{5}{8}$ ". Weight 6 ozs.

LIST PRICE, each.....1.25

No. 1963. 12-point opening $\frac{15}{16}$ ". Height $2\frac{5}{8}$ ". Weight 6 ozs.

LIST PRICE, each.....1.30



"Van-Chrome" Main Bearing Wrenches

For Chevrolet, Pontiac, Chrysler, Dodge, Plymouth

Forged from Chrome Vanadium Steel

No. 1937, has 12-point openings $\frac{3}{8}$ " and $\frac{3}{4}$ " for work on Chevrolet Models 1929 to early 1933 inclusive.

No. 1938, has 6-point openings $1\frac{1}{16}$ " and $2\frac{3}{32}$ " which are the necessary sizes for late 1933 and early 1934 Chevrolets.

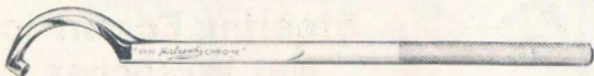
No. 1939 combines $1\frac{1}{16}$ " and $\frac{3}{4}$ ", 12-point openings which are adaptable to main bearing work on Chevrolet Models from late 1934. This wrench also services Pontiac 8, 1933 to 1937 inclusive; Chrysler 6 and 8; Dodge 6 and 8; Plymouth 1930 to 1937.

Satin nickel, polished heads. Length $15\frac{1}{2}$ ". Weight 1 lb.

LIST PRICE, Nos. 1937, 1938, 1939, each.....\$2.20

Designed for more efficient main bearing work on all Chevrolets from 1929 to present models, these wrenches also fit many other popular cars. Their versatility will be the means of saving much time for the mechanic.

The $15\frac{1}{2}$ " length is necessary for accessibility, clearance, and maximum handling efficiency. The heads are offset at the correct angle for easy operation. They also fit the cylinder head bolts on the cars listed. Hot forged from select Chrome Vanadium Steel, accurately sized, heat treated and handsomely triple plated in satin nickel with bright polished heads.



"Van-Chrome" Gas Tank Spanner No. 1958

For Chevrolet, Including 1936 Models

Drop Forged from Chrome Vanadium Steel

The toughest Chrome Steel and special heat treatment are used in producing this Wrench because the small engaging pin must take most of the pulling strain. Finished in satin nickel with polished faces, the knurled handle provides a firm grip.

Length 11". Weight 6 ozs. Packed 6 to the box.

LIST PRICE, each.....\$1.50

A Special Spanner to eliminate the grief experienced in servicing the gland nut on Chevrolet gas tanks. On some models the filler pipe is awkwardly located inside the trunk and the nut cannot be correctly serviced without this tool. It avoids mutilation of threads and insures proper tightening. The turret nut between the filler neck and the gas tank must be kept tight to prevent leakage. This Spanner is invaluable for this purpose.

Bent and sized to remove the bowls of Chevrolet 6 carburetors up to 1932 models. Has a $\frac{3}{4}$ ", 12-point opening on one end to firmly anchor on the bowl nut. Opposite end has a $\frac{7}{8}$ ", 12-point opening for general use. The offset handle clears the choke lever and other obstructions.



With this special wrench it is unnecessary to remove the air and dust filter when working on the feed line. The $\frac{5}{16}$ " open end fits the connection which is set very close to the carburetor, also the cap screws that hold the carburetor to the motor. The $\frac{1}{2}$ ", 12-point box end fits the connection that screws into carburetor.



With this tool, replacing and removing screws from the Chevrolet oil pan is quick and easy. The tubular guide fits over the screw head readily and locates the bit positively in the slot with no chance of slipping off. The flexible spring construction provides simple and easy action. Drilled with four holes to avoid accumulation of grease and dirt.

King Pin Bushing Tool

A special size Bushing Collar to fit standard handle is listed on page 34.

Many additional Chevrolet Service Tools are illustrated throughout this Catalog.

Carburetor Bowl Nut Wrench No. 7731A

For Chevrolet

Drop Forged from Chrome Molybdenum Steel

12-point openings of $\frac{3}{4}$ " and $\frac{7}{8}$ ". Satin nickel, polished heads. Length 10". Weight 12 ozs.

LIST PRICE, each.....\$1.65



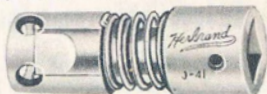
Special Carburetor Wrench No. 1950

For Late Model Chevrolet

Drop Forged from Chrome Vanadium Steel

Satin nicked with bright heads. The popular $\frac{1}{2}$ " and $\frac{5}{16}$ " openings adapt it to a wide range of general service. Length 6".

LIST PRICE, each.....\$1.20



"Van-Chrome" Pan Screw Driver No. J-41

For Chevrolet

Chrome Vanadium Steel— $\frac{3}{8}$ " Drive

$\frac{3}{8}$ " drive connection to fit any Junior Series Handles. Finished in satin nickel. Length 2". Weight 2 ozs. Packed 6 to the box.

LIST PRICE, each.....\$1.55

Special Chevrolet Sockets

In the broad Herbrand socket line will be found a diversity of special and standard Hot Forged Sockets to handle every known service job encountered in Chevrolet work. Included are Extra Deep Spark Plug, Running Board, Main Bearing, Axle Nut and other sockets which are listed on pages 8 to 21.



Nos. 1930R and 1931R

Chevrolet Starting Cranks

No. 1930R For Models 1929 and 1930
(Chevrolet No. 355441)

Finished in black enamel. Length $22\frac{3}{4}$ ". Weight 3 lbs. 4 ozs.
LIST PRICE, each.....\$.65

No. 1931R For Models 1923 to 1928 and 1933
(Chevrolet No. 352768)

Same design as No. 1930R, illustrated above, with pressed steel revolving grip handle but of a different length to fit the models as listed. Black enamel finish. Length $19\frac{1}{4}$ ". Weight 3 lbs.
LIST PRICE, each......60

Forged from one piece of high carbon steel and heat treated throughout to prevent contact pins from becoming mutilated and the handles from bending. Designed to clear the frame and apron and have pressed steel revolving grip handles to permit a fast, free spin.



Nos. 1931 to 1936C

Chevrolet Crank and Rim Wrenches

No. 1931 For Models 1931 and 1932

Finished in black enamel. Length $14\frac{1}{2}$ ". Weight 2 lbs. 6 ozs.
LIST PRICE, each.....\$.70

No. 1933 For 1933 Model (Chevrolet No. 370853)

Same as No. 1931 except length from lug to bend is 11" instead of 7". Black enamel. Length $18\frac{1}{2}$ ". Weight 2 lbs. 10 ozs.
LIST PRICE, each......75

No. 1934 For 1934 Chevrolet (Chevrolet No. 374491)

Same as 1933 but extra long to clear new type radiators. Black enamel. Length $22\frac{1}{2}$ ". Weight 3 lbs.
LIST PRICE, each......75

No. 1935 For 1935 Chevrolet (Chevrolet No. 379526)

Same as No. 1934 except that the length is $21\frac{1}{2}$ " overall. Black enamel.
LIST PRICE, each......75

No. 1936C for 1936 Chevrolet (Chevrolet No. 475564)

Fits models FA, FD and FC. Length $21\frac{3}{8}$ ". Black enamel.
LIST PRICE, each......75
page 158

One end has the starting crank, the other a deep forged socket opening for the removal of rim nuts. Designed for perfect clearance and fast operation.

The solid one-piece forging is accurately bent to the correct shape for free turning and Herbrand Crank Handles are of highest quality throughout to avoid mutilating pins and distorting handles.



Chevrolet Truck Rim Wrench Set No. 1152 G

Complete for Dual Wheels—Three Opening Sizes

Forged Solid—No Welds

Here in one handy Rim Wrench are combined the three necessary sizes of square and hexagon extra deep openings to service all Chevrolet dual wheels. A great time-saver and a powerful tool that should be standard equipment on every Chevrolet truck.

The 20" Hex Handle furnished with this set slides through the hex openings in the heads of the wrench, acting as a T handle and creating leverage that easily starts, and spins off, the most stubborn or frozen nuts.

Forged from solid bars of high carbon steel, expertly heat treated to withstand gruelling punishment and satin nicked. Openings $\frac{5}{8}$ " square, $\frac{7}{8}$ " hex and $1\frac{1}{4}$ " hex. Length $15\frac{7}{8}$ ". The Leverage Bar is 20" long. Weight 7 lbs.

No. 1152G, Wrench and Leverage Bar.

LIST PRICE, complete.....\$3.05

International Truck Rim Wrench Set No. 1152-I

Hexagon openings of $\frac{7}{8}$ " and $1\frac{1}{4}$ ". Forged from Chrome Alloy Steel because extra thin heads are necessary for clearance. A 20" hex leverage bar and T handle is included.

No. 1152I, Wrench and Leverage Bar.

LIST PRICE, complete.....\$3.40

No. 1152H, Handle only.

LIST PRICE.....1.10



Plymouth Crank Handles

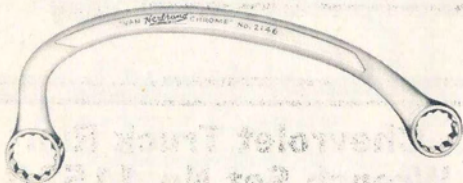
Models 1930-1936 Inclusive

These handles are the genuine standard design for all Plymouth models. Made from high carbon steel, heat treated and finished in baked black enamel.

They are formed for perfect clearance and are of highest quality for long life and efficient service. Packed 50 to the carton.

Number	Plymouth Models	Year	Chrysler Part No.	Length Inches	Weight Per 100	List Price
2130	30U & PA	1930-1	313292	17 $\frac{3}{4}$	275 lbs.	\$.65
2132	PB	1932	526658	19 $\frac{1}{2}$	300 "	.70
2133	PC, PD, PF & PG	1933-4	602823	24 $\frac{3}{8}$	375 "	.75
2134	PE (Deluxe)	1934	603672	30 $\frac{1}{8}$	425 "	.80
*2135C	PJ	1935-7	642571	8 $\frac{1}{2}$	160 "	.80
*2135E	PJ	1935-7	642569	27 $\frac{3}{8}$	275 "	.65

*Crank Extension 1935 to 1937 models require a two-piece Combination Crank. One end has a square drive which engages the Extension, the other end has a $\frac{3}{4}$ " hex opening for rim nut service.



"Van-Chrome" Starter and Manifold Wrench No. 2146

For Late Model Chrysler Built and Other Cars

Drop Forged from Chrome Vanadium Steel

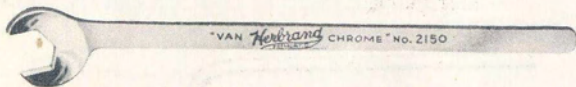
Twelve point openings $\frac{9}{16}$ " and $\frac{5}{8}$ " with special clearance bends. Satin nickel finish polished heads. Length 7". Weight 7 ozs. 6 to the box.

LIST PRICE, each.....\$1.40

The combination $\frac{9}{16}$ " and $\frac{5}{8}$ " twelve point openings with the special bends and thin side walls, for perfect clearance, is particularly designed to service exhaust manifold and starter nuts on late model Chrysler built cars, where ordinary wrenches are useless.

The $\frac{9}{16}$ " opening is angled to fit the exhaust manifold nuts and has been made extra thin for easy engagement and ample clearance.

The $\frac{5}{8}$ " opening fits the starting motor nuts and the unusual bend clears the steering column control rods and other obstructions that interfere with ordinary wrenches.



"Van-Chrome" Brake Adjusting Wrench No. 2150

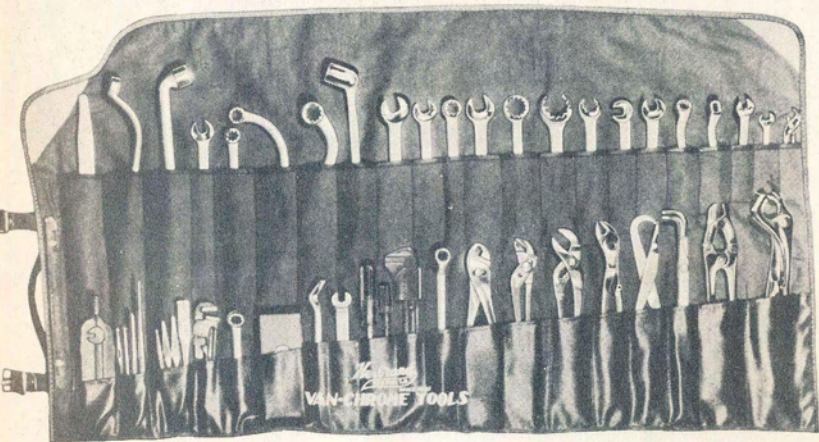
For Chrysler, Plymouth, DeSoto, Dodge

Drop Forged from Chrome Vanadium Steel

Hexagon opening $1\frac{1}{4}$ ". Satin nickel finish, polished head. Extra long handle 14". Weight 10 ozs. 6 to the box.

LIST PRICE, each.....\$1.40
 page 160

An extremely popular and necessary Brake Wrench that should be in every mechanic's set to service the brakes on all Chrysler built cars, including latest models. The very deep $1\frac{1}{4}$ " hexagon opening takes a firm grip on the adjusting nuts avoiding slippage and the thin, narrow heads make them extremely efficient for fast work. Powerful leverage is provided by the 14" extra long handle.



No. 41 Roll

Jobber Salesman Display Rolls

The greatest selling help ever offered the tool salesman. It is intended as a "birdseye" presentation of today's most popular and comprehensive tool line and its use will sell more tools for you and leave a quality impression that makes permanently satisfied buyers. It rolls into compact form and carries easily with the leather handle. Available with any assortment of tools, or you may obtain the roll at moderate cost to be filled with tools from your own stock. Designed with pockets of various sizes and constructed of substantial leatherette which is flannel lined.



Available with any assortment of tools you may select; or you may obtain the roll to be filled from your own stock. Constructed of flannel lined leatherette with convenient carrying handle.

No. 41 Roll, containing 41 individual pockets of various sizes.

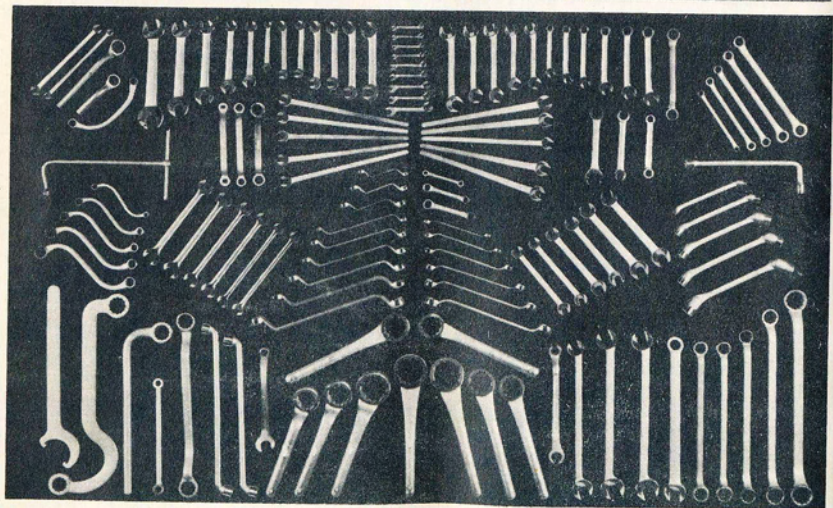
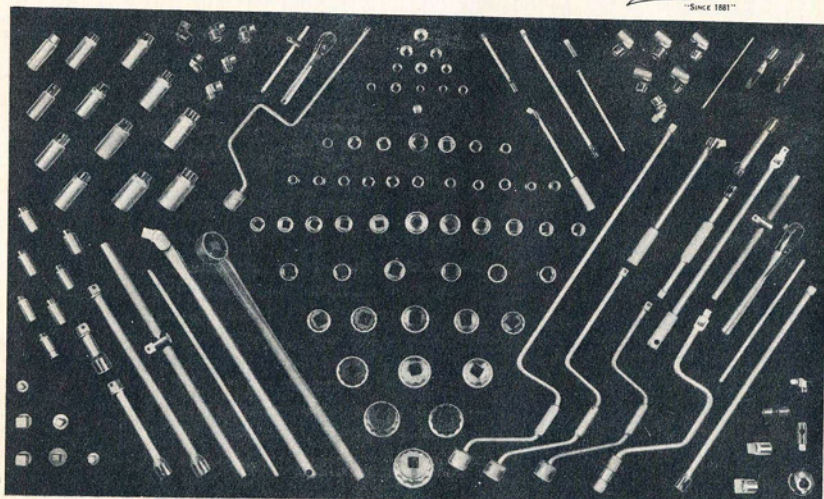
LIST PRICE, roll only.....\$7.00

No. 42 Roll, containing 70 pockets of various sizes.

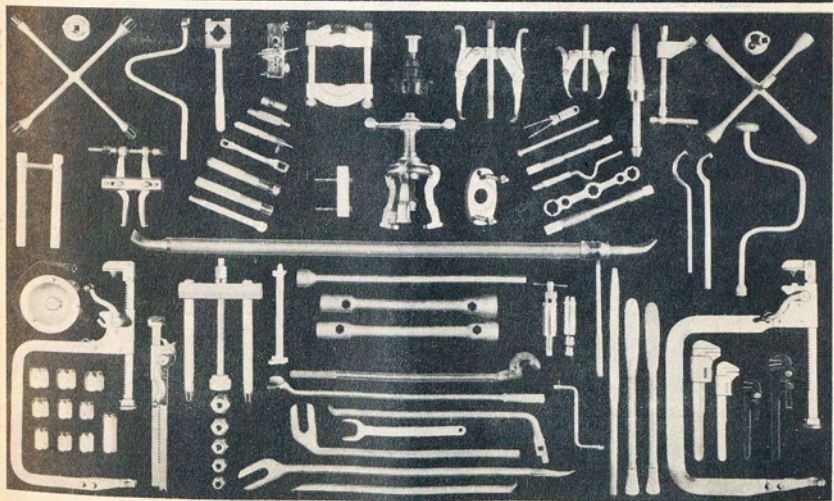
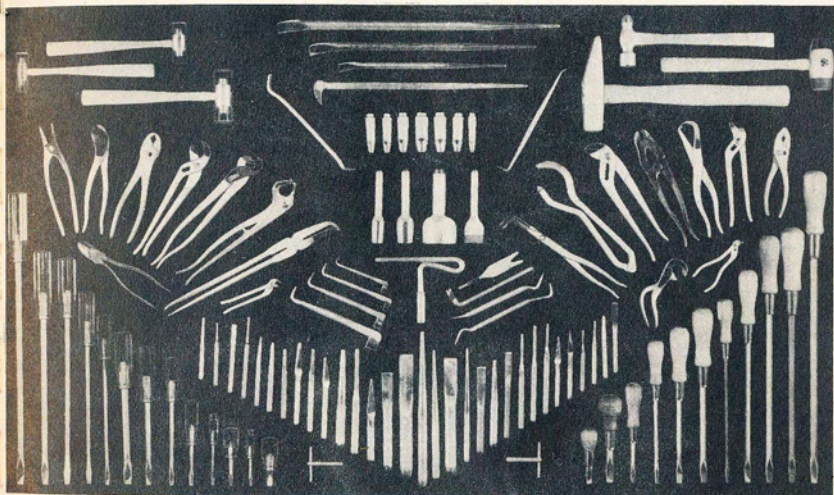
LIST PRICE, roll only.....11.00

**Modern Service Work Demands
Modern Tools Of Quality**

Herbrand
FREMONT, O.
"SINCE 1881"



Buy HERBRAND Modern Labor Saving Tools from the



Progressive Jobber in Your Locality Who Displays Them



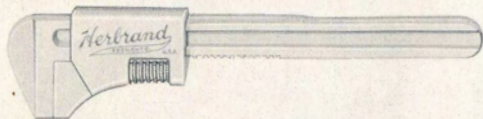
Super-Strength Pipe Wrenches

Drop Forged Alloy Jaws—Alloy Steel Beam

Herbrand Super-Strength Pipe Wrenches are heat treated throughout and are finished in baked black enamel with bright polished edges.

Length	Jaw Opening	Weight Each Lbs. Ozs.	List Price Each
6	1½	7	\$ 1.50
8	1¾	14	1.70
10	2¼	10	2.20
14	3	1	3.00
18	3½	4	4.30
24	4½	7	7.45
36	5½	13	15.70
48	6½	26	23.50
60	8½	41	35.25

The superior design of the Herbrand Pipe Wrench makes it far more efficient to handle than the conventional Stillson pattern. The non-breakable, open housing with free riding adjusting nut is quickly appreciated by mechanics. The jaws are drop forged from Chrome Molybdenum Steel and carefully oil hardened. They will grip and hold perfectly under the stiffest pull and will not lock on the pipe. The alloy handle of I-beam design fits the hand comfortably and will out-test any in the field.



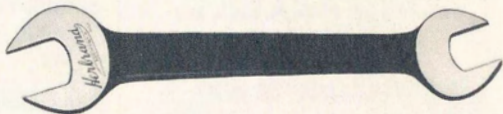
Herbrand Adjustable Wrenches

Drop Forged In Three Sizes from 7" to 11"

Carefully forged and heat treated, they are made in a popular range of sizes.

No.	Length	Jaw Opening	Weight Each Lbs. Ozs.	List Price Each Black Enamel	List Price Each Satin Nickel
110	7	1¾	12	.50	.55
112	9	2¼	1	.60	.65
113	11	3¼	2	.85	.95

Practical — efficient — simple in design, this adjustable wrench was originated by Herbrand many years ago. The knurl screw is peined securely to prevent dropping out. The easy-turning knurl slides within the accurate-fitting jaw to just the right size to fit any nut within its range.



Solid Open End Wrenches

Carbon Steel—Improved Designs

Drop Forged and Heat Treated

In addition to manufacturing the broadest range of automotive tools, Herbrand also produces a full line of Carbon Steel Wrenches in all the popular patterns. Among the standard types in stock are, Engineers Wrenches, single and double end; General Service S Wrenches; Construction and Structural; Car Builders; Textile Machine; Check Nut; Extra thin and other patterns.

These Carbon Steel Wrenches are primarily built for manufacturers who equip their product with service tools and are broadly used for bridge building, structural work, car building, farm and road machinery and for practically all industrial uses.

The openings are milled with precise accuracy to fit all U.S.S. and S.A.E. standard nuts and cap screws. Also stocked with American Standard, Metric and Whitworth openings. They are readily available in a range of sizes that covers every likely need. Supplied in the unfinished or finished condition. Special openings are milled to order.

Among the users of Herbrand tools are many of the nation's largest and most prominent industries.

1 Especially built for manufacturers of machinery for standard equipment purposes and industrial application.

2 Latest improvements in construction and design.

3 Narrow pointed jaws and increased length provide maximum clearance and leverage.

4 Drop forged from a select quality of high carbon tool steel.

5 Heat treated and tempered their entire length providing both interior and surface hardness for the utmost endurance and dependability.

6 Ground smoothly all over and openings milled to unvarying accuracy.

7 Finished in Baked Black Enamel—durable and rust-resisting.

8 Herbrand quality throughout. They will not spread or break.

9 Prompt deliveries on all popular patterns and sizes.

10 For more than 56 years Herbrand quality and refinements in design have paralleled the requirements of the industry.

Finish Specifications

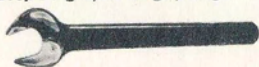
UNFINISHED wrenches are milled, smoothed, heat treated and finished in baked black enamel.

FINISHED wrenches are milled, surface and edges smoothed, heat treated and opening sizes stamped on the heads. Black enamel body with heads ground bright and lacquered.

SPECIAL wrenches made to order, drop forged and machined to your own specifications.

Unless otherwise specified finished wrenches will be supplied

Engineers' Wrenches Drop Forged, 15° Angle, Single End



No.	Openings Milled	For U.S. Std. Nuts; Bolt Size	For U.S. Std. Cap Screws; Dia. Screws	S.A.E. Std. Nuts and Cap Screws; Bolt Size	For Amer. Std. Nuts; Bolt Size	L'gth	LIST PRICE	
							Unfin- ished	Fin- ished
90	1/8	3/8	1/4	1/4	1/4	3 1/2	\$ 22	28
700	1/8	3/8	1/4	1/4	1/4	4	24	30
0	1/8	3/8	1/4	1/4	1/4	4	24	30
701	1/8	3/8	1/4	1/4	1/4	4 1/4	29	36
702	1/8	3/8	1/4	1/4	1/4	5 1/4	35	44
2	1/8	3/8	1/4	1/4	1/4	5 1/4	35	44
703	1/8	3/8	1/4	1/4	1/4	6	42	52
3	1/8	3/8	1/4	1/4	1/4	6 1/4	42	52
704	1/8	3/8	1/4	1/4	1/4	6 1/2	42	52
4	1/8	3/8	1/4	1/4	1/4	6 3/4	42	52
705	1/8	3/8	1/4	1/4	1/4	7 1/4	47	58
5	1/8	3/8	1/4	1/4	1/4	7 1/4	47	58
6A	1/8	3/8	1/4	1/4	1/4	7 1/2	47	58
706	1/8	3/8	1/4	1/4	1/4	7 3/4	47	58
7	1/8	3/8	1/4	1/4	1/4	8 1/4	52	64
707	1/8	3/8	1/4	1/4	1/4	8 1/4	52	64
8	1/8	3/8	1/4	1/4	1/4	8 1/2	52	64
8A	1/8	3/8	1/4	1/4	1/4	8 3/4	52	64
708A	1/8	3/8	1/4	1/4	1/4	8 3/4	52	64
9	1/8	3/8	1/4	1/4	1/4	9 1/4	57	70
709	1/8	3/8	1/4	1/4	1/4	9 1/4	57	70
10	1/8	3/8	1/4	1/4	1/4	9 1/2	57	70
10A	1/8	3/8	1/4	1/4	1/4	9 3/4	57	70
11	1/8	3/8	1/4	1/4	1/4	10 1/4	62	76
11A	1/8	3/8	1/4	1/4	1/4	10 1/4	62	76
12	1/8	3/8	1/4	1/4	1/4	10 3/4	62	76
12A	1/8	3/8	1/4	1/4	1/4	10 3/4	62	76
13	1/8	3/8	1/4	1/4	1/4	11 1/4	67	82
13A	1/8	3/8	1/4	1/4	1/4	11 1/4	67	82
14	1/8	3/8	1/4	1/4	1/4	11 3/4	67	82
14A	1/8	3/8	1/4	1/4	1/4	11 3/4	67	82
15	1/8	3/8	1/4	1/4	1/4	12 1/4	72	88
15A	1/8	3/8	1/4	1/4	1/4	12 1/4	72	88
16	1/8	3/8	1/4	1/4	1/4	12 3/4	72	88
16B	1/8	3/8	1/4	1/4	1/4	12 3/4	72	88
16A	1/8	3/8	1/4	1/4	1/4	12 3/4	72	88
17	3/16	7/8	3/4	3/4	3/4	13 1/4	77	94
17A	3/16	7/8	3/4	3/4	3/4	13 1/4	77	94
18	3/16	7/8	3/4	3/4	3/4	13 3/4	77	94
18B	3/16	7/8	3/4	3/4	3/4	13 3/4	77	94
19	3/16	7/8	3/4	3/4	3/4	14 1/4	82	100
19C	3/16	7/8	3/4	3/4	3/4	14 1/4	82	100
19A	3/16	7/8	3/4	3/4	3/4	14 1/4	82	100
20B	3/16	7/8	3/4	3/4	3/4	14 3/4	82	100
20	3/16	7/8	3/4	3/4	3/4	15 1/4	87	106
20A	3/16	7/8	3/4	3/4	3/4	15 1/4	87	106
21B	3/16	7/8	3/4	3/4	3/4	15 3/4	87	106
21A	3/16	7/8	3/4	3/4	3/4	15 3/4	87	106
22C	3/16	7/8	3/4	3/4	3/4	16 1/4	92	112
22A	3/16	7/8	3/4	3/4	3/4	16 1/4	92	112
22B	3/16	7/8	3/4	3/4	3/4	16 3/4	92	112

Engineers' Wrenches Drop Forged, 15° Angle, Double End



No.	Openings Milled	For U.S. Std. Nuts; Bolt Size	For U.S. Std. Cap Screws; Dia. Screws	S.A.E. Std. Nuts and Cap Screws; Bolt Size	For Amer. Std. Nuts; Bolt Size	L'gth	LIST PRICE	
							Unfin- ished	Fin- ished
21S	1/8 & 3/8	3/8	1/4	1/4	1/4	4	\$ 28	34
721	1/8 & 3/8	3/8	1/4	1/4	1/4	4	28	34
21	1/8 & 3/8	3/8	1/4	1/4	1/4	4 1/4	34	42
722	1/8 & 3/8	3/8	1/4	1/4	1/4	4 1/4	34	42
22	1/8 & 3/8	3/8	1/4	1/4	1/4	4 1/2	34	42
723	1/8 & 3/8	3/8	1/4	1/4	1/4	4 1/2	34	42
723A	1/8 & 3/8	3/8	1/4	1/4	1/4	4 1/2	34	42
23	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	34	42

Engineers' Wrenches, Continued Drop Forged, 15° Angle, Double End

No.	Openings Milled	For U.S. Std. Nuts; Bolt Size	For U.S. Std. Cap Screws; Dia. Screws	S.A.E. Std. Nuts and Cap Screws; Bolt Size	For Amer. Std. Nuts; Bolt Size	L'gth	LIST PRICE	
							Unfin- ished	Fin- ished
724	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	\$ 40	50
24	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
725	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
725A	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
25	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
726	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
26	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
727	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
27	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
728	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
28	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
729	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
29	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
730	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
30	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
731	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
731A	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
31	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
731B	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
32	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
732	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
33	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
733	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
34	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
734	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
35	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
735	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
36	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
736	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
37	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
737	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
38	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
738	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
39	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
739	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
39A	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
739B	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
40	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
40A	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
40B	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
41	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
42	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
42A	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
42B	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
43	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
44	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
44A	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
46A	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
46B	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
47A	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
47B	1/8 & 3/8	3/8	1/4	1/4	1/4	4 3/4	40	50
48	2 & 2 3/8	1 1/2	1 1/2	1 1/2	1 1/2	22 1/2	12.50	14.00
49	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	22 1/2	14.00	15.50
50A	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	25	16.25	18.00
50B	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	25	16.25	18.00
50C	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	25	16.25	18.00
51	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	25	16.25	18.00
50B	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	25	16.25	18.00
52	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	27	20.00	22.00
32A	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	27	22.00	24.00
53A	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	27	22.00	24.00
54A	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	31	26.25	28.50
54B	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	31	26.25	28.50
55	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	32	28.75	31.00
55A	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	31	28.75	31.00
56	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	34	37.50	40.00
56B	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	34	37.50	40.00
57B	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	34	37.50	40.00
57A	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	36	44.25	47.00
58	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	37	53.00	56.00
59	2 1/2 & 2 3/8	1 3/4	1 3/4	1 3/4	1 3/4	39	59.00	62.00
60	3 3/8 & 4 1/4	2 1/2	2 1/2	2 1/2	2 1/2	40	71.00	75.00
61	3 3/8 & 4 1/4	2 1/2	2 1/2	2 1/2	2 1/2	42	89.00	94.00
62	3 3/8 & 4 1/4	2 1/2	2 1/2	2 1/2	2 1/2	44	99.00	104.00
63	4 1/4 & 5 1/4	3 1/2	3 1/2	3 1/2	3 1/2	46	126.00	135.00
64	4 1/4 & 5 1/4	3 1/2	3 1/2	3 1/2	3 1/2	48	146.00	155.00

Check Nut or Thin Wrenches

Drop Forged, 15° Angle, Single Head



No.	Openings Milled	For U.S. Std. Nuts; Bolt Size	For U.S. Std. Cap Screws; Dia. Screws	S.A.E. Std. Nuts and Cap Screws; Bolt Size	For Amer. Std. Nuts; Bolt Size	L'gth	Thick- ness Head	LIST PRICE	
								Unfin- ished	Fin- ished
600	3/8	3/8	3/8	3/8	3/8	4 1/2	3/8	\$.30	\$.36
601	1/2	1/2	1/2	1/2	1/2	4 3/4	3/8	.30	.36
602A	5/8	5/8	5/8	5/8	5/8	4 3/4	1/2	.37	.44
602	3/4	3/4	3/4	3/4	3/4	5 1/4	1/2	.47	.44
603A	7/8	7/8	7/8	7/8	7/8	6	3/4	.44	.52
604A	1	1	1	1	1	6 3/4	3/4	.44	.52
604	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	6 3/4	7/8	.55	.64
605A	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	7 1/4	7/8	.66	.76
605	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	7 1/4	1	.66	.76
606	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	8 1/4	1	.78	.90
606B	1 7/8	1 7/8	1 7/8	1 7/8	1 7/8	8 1/4	1 1/8	.78	.90
607A	2	2	2	2	2	10 1/4	1 1/8	1.08	1.18
608	1 1/4	1 1/4	1	1	1	11 1/4	3/4	1.08	1.18
608A	1 1/2	1 1/2	1	1	1	11 1/4	3/8	1.20	1.36
609	1 3/4	1 3/4	1 1/4	1 1/4	1 1/4	13 1/4	3/8	1.66	1.84
609A	1 7/8	1 7/8	1 1/4	1 1/4	1 1/4	13 1/4	1/2	1.66	1.84
610	2	2	1 3/4	1 3/4	1 3/4	15	1/2	2.40	2.60
610A	2 1/8	2 1/8	1 3/4	1 3/4	1 3/4	15	3/4	2.40	2.60

Construction Wrenches

Drop Forged, 15° Angle Heads



The deep and narrow jaws of these wrenches provide for a secure bearing on the nut. The long tapered handles readily insert into bolt holes and bring them into line. Finished in rust-resisting baked black enamel.

No.	Openings Milled	For U.S. Std. Nuts; Bolt Size	For Amer. Std. Nuts; Bolt Size	Length	Thickness Head	LIST PRICE	
						Black Un- hardened	Black Hardened
221A	3/8	3/8	3/8	8	3/8	\$.56	\$.70
221B	1/2	1/2	1/2	8	3/8	.56	.70
222	5/8	5/8	5/8	8	3/8	.56	.70
223	3/4	3/4	3/4	9 1/2	3/8	.70	.90
224A	7/8	7/8	7/8	9 1/2	3/8	.70	.90
225A	1	1	1	9 1/2	3/8	.70	.90
225	1 1/8	1 1/8	1 1/8	11	3/8	.90	1.16
226	1 1/4	1 1/4	1 1/4	11	3/8	.90	1.16
226A	1 1/2	1 1/2	1 1/2	11	3/8	.90	1.16
227	1 3/4	1 3/4	1 3/4	13 1/2	3/8	1.14	1.50
227A	2	2	2	13 1/2	3/8	1.14	1.50
228	1 1/4	1 1/4	1 1/4	17 1/2	3/8	1.52	2.00
228A	1 1/2	1 1/2	1 1/2	17 1/2	3/8	1.52	2.00
229	1 3/4	1 3/4	1 3/4	17 1/2	1/2	1.96	2.60
229A	2	2	2	17	1/2	1.96	2.60
230	1 1/2	1 1/2	1 1/2	19	3/4	2.50	3.50
230A	1 3/4	1 3/4	1 3/4	21	3/4	2.50	3.50
231	1 3/4	1 3/4	1 3/4	21	3/4	3.40	5.00
231A	2	2	2	21	3/4	3.40	5.00
232	2 1/8	2 1/8	2 1/8	21	3/4	3.40	5.00

Nominal openings listed, actual openings include proper clearance.

Structural Wrenches

Drop Forged, Straight Openings



No.	Openings Milled	For U.S. Std. Nuts; Bolt Size	For U.S. Std. Cap Screws; Dia. Screws	S.A.E. Std. Nuts and Cap Screws; Bolt Size	For Amer. Std. Nuts; Bolt Size	L'gth	Thick- ness Head	LIST PRICE	
								Unfin- ished	Fin- ished
623F	3/8 & 1/2	3/8	3/8	3/8	3/8	5 1/2	3/8	\$.42	\$.50
623E	1/2 & 5/8	1/2	1/2	1/2	1/2	5 1/2	3/8	.42	.50
623	5/8 & 3/4	5/8	5/8	5/8	5/8	5 1/2	1/2	.42	.50
624	3/4 & 7/8	3/4	3/4	3/4	3/4	5 1/2	1/2	.42	.50
623D	7/8 & 1	7/8	7/8	7/8	7/8	5 1/2	3/4	.42	.50
624A	1 & 1 1/8	1	1	1	1	5 1/2	3/4	.42	.50
625A	1 1/8 & 1 1/4	1 1/8	1 1/8	1 1/8	1 1/8	5 1/2	7/8	.42	.50
625	1 1/4 & 1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	5 1/2	7/8	.42	.50
626	1 1/2 & 1 3/4	1 1/2	1 1/2	1 1/2	1 1/2	5 1/2	1	.42	.50
626S	1 3/4 & 2	1 3/4	1 3/4	1 3/4	1 3/4	5 1/2	1	.42	.50
626X	2 & 2 1/8	2	2	2	2	6 1/4	1	.54	.64
627	1 1/4 & 1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	6 1/4	3/4	.54	.64
627S	1 1/2 & 1 3/4	1 1/2	1 1/2	1 1/2	1 1/2	6 1/4	3/4	.54	.64
628	1 3/4 & 2	1 3/4	1 3/4	1 3/4	1 3/4	6 1/4	1	.54	.64
628D	2 & 2 1/8	2	2	2	2	6 1/4	1	.54	.64
629	1 1/4 & 1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	7 1/4	3/4	.60	.72
630	1 1/2 & 1 3/4	1 1/2	1 1/2	1 1/2	1 1/2	7 1/4	3/4	.60	.72
631	1 3/4 & 2	1 3/4	1 3/4	1 3/4	1 3/4	7 1/4	1	.60	.72
632	2 & 2 1/8	2	2	2	2	7 1/4	1	.60	.72
632D	2 1/8 & 1 1/2	2 1/8	2 1/8	2 1/8	2 1/8	8 1/4	3/4	.96	1.12
634	1 1/4 & 1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	8 1/4	3/4	.96	1.12
632X	1 1/2 & 1 3/4	1 1/2	1 1/2	1 1/2	1 1/2	8 1/4	3/4	.96	1.12
636	1 3/4 & 2	1 3/4	1 3/4	1 3/4	1 3/4	8 1/4	1	.96	1.12
635C	2 & 2 1/8	2	2	2	2	10 1/4	3/4	1.48	1.68
635E	2 1/8 & 1 1/2	2 1/8	2 1/8	2 1/8	2 1/8	10 1/4	3/4	1.48	1.68
637	1 1/4 & 1 1/2	1 1/4	1 1/4	1 1/4	1 1/4	10 1/4	3/4	1.48	1.68
635G	1 1/2 & 1 3/4	1 1/2	1 1/2	1 1/2	1 1/2	10 1/4	3/4	1.48	1.68
636	1 3/4 & 2	1 3/4	1 3/4	1 3/4	1 3/4	10 1/4	1	1.48	1.68
639	2 & 2 1/8	2	2	2	2	13	3/4	2.35	2.60
640	2 1/8 & 1 1/2	2 1/8	2 1/8	2 1/8	2 1/8	13	3/4	2.35	2.60
640A	2 1/4 & 1 1/4	2 1/4	2 1/4	2 1/4	2 1/4	13	1	2.35	2.60

Nominal openings listed, actual openings include proper clearance.

Car Wrenches

Drop Forged, 22½° Angle, Double Head
Long Leverage



Improved design with narrow, pointed jaws for greater accessibility and more efficient handling. These wrenches are especially designed for car and truck work, but they are adaptable to general service. They are built extra heavy for severe work. The black, hardened wrenches are heat treated their entire length and finished in rust-resisting baked black enamel. Special openings milled to order.

No.	Openings Milled	For U.S. Std. Bolt Size	For Amer. Std. Nuts, Bolt Size	Length	Thickness Head	LIST PRICE	
						Black Un-hardened	Black Hardened
367A	½ & ¾	.....	¾ & 1	12	1½	\$ 1.10	\$ 1.50
367	¾ & 1	¾ & 1½	1 & 1½	12	1½	1.10	1.50
370A	¾ & 1	.....	1½ & 2	19	1½	1.90	2.50
370C	¾ & 1½	.....	2 & 2½	19	1½	1.90	2.50
370	1 & 1½	.....	2½ & 3	19	1½	1.90	2.50
370B	1 & 1½	.....	3 & 3½	20	1½	2.30	3.10
371A	1½ & 2	.....	2 & 2½	20	1½	2.30	3.10
371	2 & 2½	.....	2½ & 3	20	1½	2.30	3.10
372	2½ & 3	.....	3 & 3½	20	1½	2.30	3.10
372A	3 & 3½	.....	3½ & 4	20	1½	2.30	3.10
373	3½ & 4	.....	4 & 4½	20	1½	2.30	3.10
374A	4 & 4½	.....	4½ & 5	21	1½	2.70	3.70
375	4½ & 5	.....	5 & 5½	21	1½	2.70	3.70
375A	5 & 5½	.....	5½ & 6	21	1½	2.70	3.70
374	5½ & 6	.....	6 & 6½	21	1½	2.70	3.70
376	6 & 6½	.....	6½ & 7	22	1½	3.30	4.50
377A	6½ & 7	.....	7 & 7½	22	1½	3.30	4.50
378	7 & 7½	.....	7½ & 8	22	1½	3.30	4.50
378A	7½ & 8	.....	8 & 8½	22	1½	3.30	4.50
377	8 & 8½	.....	8½ & 9	22	1½	3.30	4.50
379	8½ & 9	.....	9 & 9½	22	1½	3.30	4.50
380A	9 & 9½	.....	9½ & 10	23	1½	3.90	5.30
381	9½ & 10	.....	10 & 10½	23	1½	3.90	5.30
381B	10 & 10½	.....	10½ & 11	23	1½	3.90	5.30
380	10½ & 11	.....	11 & 11½	23	1½	3.90	5.30
382	11 & 11½	.....	11½ & 12	24	1½	4.50	6.30
383A	11½ & 12	.....	12 & 12½	24	1½	4.50	6.30
384	12 & 12½	.....	12½ & 13	24	1½	4.50	6.30
385	12½ & 13	.....	13 & 13½	24	1½	4.50	6.30
385B	13 & 13½	.....	13½ & 14	24	1½	4.50	6.30
387A	13½ & 14	.....	14 & 14½	25	1½	6.80	9.00
387	14 & 14½	.....	14½ & 15	25	1½	6.80	9.00
388	2 & 2½	.....	2½ & 3	25	1½	6.80	9.00
389	2½ & 3	.....	3 & 3½	25	1½	6.80	9.00

Nominal openings listed, actual openings include proper clearance except for truck nuts. When desired for truck nuts specify on order.

Offset Angle Wrenches

Drop Forged, 22½° Angle, Double Head



No.	Openings Milled	For U.S. Std. Bolt Size	For U.S. Std. Cap Screws, Dia. Screws	R.A.E. Std. Nuts and Cap Screws, Bolt Size	For Amer. Std. Nuts, Bolt Size	Length	Thickness Head	LIST PRICE	
								Un-finished	Finished
760A	¾ & 1	.....	1 & 1½	1½ & 2	.....	4½	1½	\$ 42	\$ 50
760B	1 & 1½	.....	1½ & 2	2 & 2½	.....	4½	1½	42	50
760C	1½ & 2	.....	2 & 2½	2½ & 3	.....	4½	1½	42	50
760Y	2 & 2½	.....	2½ & 3	3 & 3½	.....	4½	1½	42	50

Offset Angle Wrenches, Continued

Drop Forged, 22½° Angle, Double Head

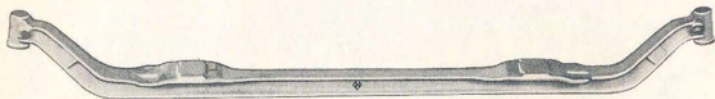
No.	Openings Milled	For U.S. Std. Bolt Size	For U.S. Std. Cap Screws, Dia. Screws	R.A.E. Std. Nuts and Cap Screws, Bolt Size	For Amer. Std. Nuts, Bolt Size	Length	Thickness Head	LIST PRICE	
								Un-finished	Finished
760F	¾ & 1	.....	1 & 1½	1½ & 2	.....	4½	1½	\$ 42	\$ 50
760G	1 & 1½	.....	1½ & 2	2 & 2½	.....	4½	1½	42	50
761X	1½ & 2	.....	2 & 2½	2½ & 3	.....	4½	1½	52	62
761A	2 & 2½	.....	2½ & 3	3 & 3½	.....	4½	1½	52	62
761	2½ & 3	.....	3 & 3½	3½ & 4	.....	4½	1½	52	62
761B	3 & 3½	.....	3½ & 4	4 & 4½	.....	4½	1½	52	62
761Z	3½ & 4	.....	4 & 4½	4½ & 5	.....	4½	1½	52	62
761C	4 & 4½	.....	4½ & 5	5 & 5½	.....	4½	1½	52	62
762D	4½ & 5	.....	5 & 5½	5½ & 6	.....	4½	1½	52	62
762A	5 & 5½	.....	5½ & 6	6 & 6½	.....	4½	1½	52	62
762Y	5½ & 6	.....	6 & 6½	6½ & 7	.....	4½	1½	52	62
762E	6 & 6½	.....	6½ & 7	7 & 7½	.....	4½	1½	52	62
762B	6½ & 7	.....	7 & 7½	7½ & 8	.....	4½	1½	52	62
762C	7 & 7½	.....	7½ & 8	8 & 8½	.....	4½	1½	52	62
763E	7½ & 8	.....	8 & 8½	8½ & 9	.....	4½	1½	52	62
763Y	8 & 8½	.....	8½ & 9	9 & 9½	.....	4½	1½	52	62
763A	8½ & 9	.....	9 & 9½	9½ & 10	.....	4½	1½	52	62
763F	9 & 9½	.....	9½ & 10	10 & 10½	.....	4½	1½	52	62
763B	9½ & 10	.....	10 & 10½	10½ & 11	.....	4½	1½	52	62
763C	10 & 10½	.....	10½ & 11	11 & 11½	.....	4½	1½	52	62
764C	10½ & 11	.....	11 & 11½	11½ & 12	.....	4½	1½	52	62
764	11 & 11½	.....	11½ & 12	12 & 12½	.....	4½	1½	52	62
764A	11½ & 12	.....	12 & 12½	12½ & 13	.....	4½	1½	52	62
764E	12 & 12½	.....	12½ & 13	13 & 13½	.....	4½	1½	52	62
764Z	12½ & 13	.....	13 & 13½	13½ & 14	.....	4½	1½	52	62
764D	13 & 13½	.....	13½ & 14	14 & 14½	.....	4½	1½	52	62
764B	13½ & 14	.....	14 & 14½	14½ & 15	.....	4½	1½	52	62
764H	14 & 14½	.....	14½ & 15	15 & 15½	.....	4½	1½	52	62
765A	14½ & 15	.....	15 & 15½	15½ & 16	.....	4½	1½	52	62
765B	15 & 15½	.....	15½ & 16	16 & 16½	.....	4½	1½	52	62
765C	15½ & 16	.....	16 & 16½	16½ & 17	.....	4½	1½	52	62

General Service Wrenches

Drop Forged, 22½° Angle, Double Head



No.	Openings Milled	For U.S. Std. Bolt Size	For U.S. Std. Cap Screws, Dia. Screws	R.A.E. Std. Nuts and Cap Screws, Bolt Size	For Amer. Std. Nuts, Bolt Size	Length	LIST PRICE	
							Un-finished	Finished
675C	1 & 1½	.....	1½ & 2	2 & 2½	.....	6½	\$ 45	\$ 54
675B	1½ & 2	.....	2 & 2½	2½ & 3	.....	6½	45	54
675A	2 & 2½	.....	2½ & 3	3 & 3½	.....	6½	45	54
675	2½ & 3	.....	3 & 3½	3½ & 4	.....	6½	45	54
677S	3 & 3½	.....	3½ & 4	4 & 4½	.....	7½	58	68
677C	3½ & 4	.....	4 & 4½	4½ & 5	.....	7½	58	68
677E	4 & 4½	.....	4½ & 5	5 & 5½	.....	7½	58	68
677	4½ & 5	.....	5 & 5½	5½ & 6	.....	7½	58	68
679B	5 & 5½	.....	5½ & 6	6 & 6½	.....	8½	73	86
679S	5½ & 6	.....	6 & 6½	6½ & 7	.....	8½	73	86
679A	6 & 6½	.....	6½ & 7	7 & 7½	.....	8½	73	86
679E	6½ & 7	.....	7 & 7½	7½ & 8	.....	8½	73	86
679	7 & 7½	.....	7½ & 8	8 & 8½	.....	8½	73	86
679C	7½ & 8	.....	8 & 8½	8½ & 9	.....	8½	73	86
681E	8 & 8½	.....	8½ & 9	9 & 9½	.....	9½	93	110
681	8½ & 9	.....	9 & 9½	9½ & 10	.....	9½	93	110
681B	9 & 9½	.....	9½ & 10	10 & 10½	.....	9½	93	110
681A	9½ & 10	.....	10 & 10½	10½ & 11	.....	9½	93	110
681D	10 & 10½	.....	10½ & 11	11 & 11½	.....	9½	93	110
683E	10½ & 11	.....	11 & 11½	11½ & 12	.....	10½	116	140
683	11 & 11½	.....	11½ & 12	12 & 12½	.....	10½	116	140
683D	11½ & 12	.....	12 & 12½	12½ & 13	.....	10½	116	140
683B	12 & 12½	.....	12½ & 13	13 & 13½	.....	10½	116	140
683C	12½ & 13	.....	13 & 13½	13½ & 14	.....	10½	116	140
683A	13 & 13½	.....	13½ & 14	14 & 14½	.....	10½	116	140
683X	13½ & 14	.....	14 & 14½	14½ & 15	.....	10½	116	140
685A	1 & 1½	.....	1½ & 2	2 & 2½	.....	12½	165	200
685C	1½ & 2	.....	2 & 2½	2½ & 3	.....	12½	165	200
685B	2 & 2½	.....	2½ & 3	3 & 3½	.....	12½	165	200
685D	2½ & 3	.....	3 & 3½	3½ & 4	.....	12½	165	200



Herbrand Precision Forgings

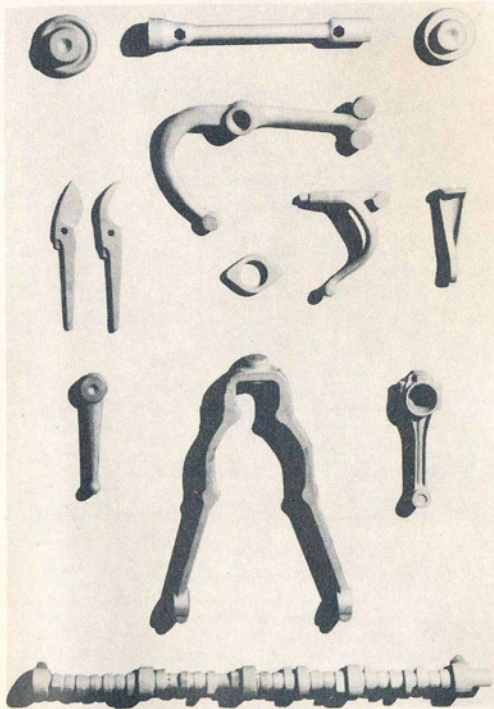
**Upset or DropForged—Any Shape or Size up to
200 Lbs.**

Strict adherence to the specifications and contour of the finished piece affects a real economy in Herbrand Drop Forgings because it reduces machining and finishing operations to a minimum. Expert hammersmiths, who have made forging their life business, maintain strictly uniform dimensions and close tolerances producing forgings which are free from defects.

In these days of high speed production the vital load-bearing parts of your product must have the ability to withstand the gruelling grind and punishment of high speed service. Herbrand forgings impart that enduring, inbuilt stamina because they are scientifically heat treated by definite processes in the latest automatic electrically controlled furnaces where constant temperatures and exact regulation give positive results.

Skilled and vigilant inspection is rigidly enforced. To help work out involved or difficult problems our engineering advisory staff is maintained on a scale commensurate with the highest engineering developments of the present day.

Herbrand provides the latest, modern forging facilities including steam hammers, board hammers, upset machines, bending machines, heat treating and die making equipment. We have the organization and facilities to satisfy the most discriminating user and the "Diamond H" trade mark will be found on the vital forged parts of many of today's leading automobiles and industrial equipment. Your inquiries are solicited.



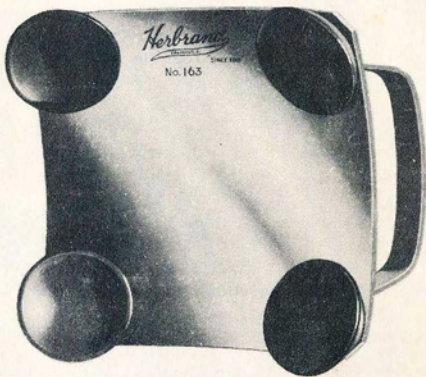
Wrench and Socket Openings and Sizes of Bolts and Nuts They Fit

Wrench Opening in Inches Nominal Size	The Dimensions given below are the Outside Diameters of the Thread in Inches				
	S.A.E. Std. Screws and Nuts	U.S.S.		American Std.	
		Nuts	Cap Screws	Nuts	Cap Screws
* 1/16	4	...
* 3/16	5 & 6	...
* 3/8	10	...
* 7/16	1/4	12 & 1/4	1/4
* 1/2	5/16	5/16
* 9/16	3/8	3/8
19/32
* 5/8	3/16
* 11/16
* 3/4	1/2
* 13/16
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* 7					



This tool provides the only safe, quick and easy means of removing or replacing the glass on the new type doorless headlights. All danger of cutting hands or arms and breaking of glass is eliminated.

The metal plate is formed to accurately fit the contour of the curved lenses and the loop shaped handles allow a full grip with both hands. The vacuum cups are made from live resilient rubber for perfect conformation to the curved glass and to insure a strong 4-point contact. This is extremely important, especially where the glass is frozen to corroded shells because it is necessary to exert a firm downward pressure to release the lens at the top and then an upward pull for complete removal.



Safety Headlight Lens Tool No. 163

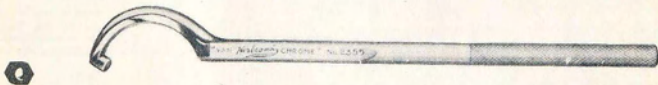
For Removing and Replacing Glass Lenses

Protects Hands—Avoids Breaking Glass

Especially necessary for Chrysler, Plymouth, Dodge, DeSoto, Packard, Nash, Hudson, Terraplane, Studebaker, Graham, Lafayette and other cars using doorless type headlights.

Size $5\frac{1}{4}$ " x $5\frac{1}{4}$ ". Weight 14 ozs. Individually boxed.

LIST PRICE, each.....\$2.25



"Van-Chrome" No. 2362 Shock Absorber Spanner

For Ford V-8 Late Models

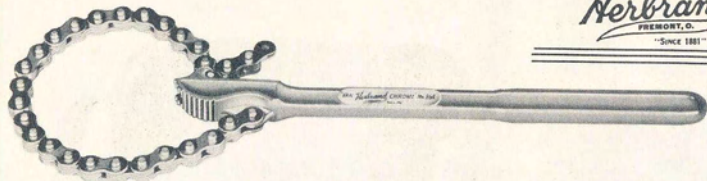
Drop Forged from Chrome Vanadium Steel

The packing nuts on the new Ford shock absorbers require this hook spanner wrench for removing, replacing, tightening and adjusting. These packing nuts must be tightened occasionally to prevent leakage. It also acts as an adjustment and this Special Spanner is necessary because it is built the right length to service all four shock absorbers.

All 1937 Ford models are equipped with new type shock absorbers for which this Spanner is specially designed. Necessary for adjusting, tightening, removing and replacing these packing nuts.

Finished in satin nickel with polished faces. Knurled handle. Length $9\frac{1}{2}$ ". Weight 5 ozs. 6 to the box.

LIST PRICE, each.....\$1.65



No. 864 "Van-Chrome" Master Chain Wrench

Capacity $\frac{1}{2}$ " to $4\frac{1}{2}$ "—For Any Shape Nut, Pipe or Rod

Chrome Vanadium Steel—Drop Forged Handle

This all-purpose tool is so flexible in application that it is invaluable on many difficult jobs in industrial as well as automotive shops. Equally efficient on cars, trucks, tractors or machinery because it fits any shape nut, pipe or rod whether round, square or hex. The chain slips easily around the work in the most confined quarters and locks automatically in any position for an irresistible pull. It is very practical for knee action and shifting lever caps and any hard-to-grip objects.

The special heavy duty chain is very carefully made to handle any work within its capacity but is not guaranteed against abuse.

Finished in satin nickel. Capacity $\frac{1}{2}$ " to $4\frac{1}{2}$ ". Length of handle 12". Length of chain 16". Weight 1 lb. 8 ozs. 6 to the box.

No. 864, Wrench complete with chain. LIST PRICE, each \$5.80

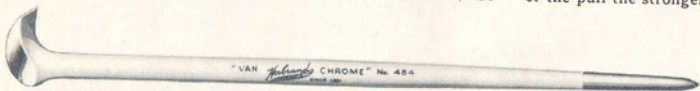
No. 864C, Chain only.

LIST PRICE, each \$2.10

The construction and scope of this Chain Wrench is so truly universal that it fits any bolt, nut, pipe or rod regardless of shape. Designed primarily for large nut and pipe turning operations in confined quarters and where large, long leverage wrenches are useless.

The 16" flexible chain slips easily around the work and locks in the hook jaws of the handle for a super-powered pull equivalent to a compound leverage wrench. The chain is an extended pin type especially built for this wrench and will withstand a pressure of 3200 pounds.

The handle is 12" long, drop forged from select Chrome Vanadium Steel and heat treated for extra toughness and extreme leverage. The working end of the handle is milled with extra deep teeth for a full bite that prevents all danger of slipping—the harder the pull the stronger the bite.



No. 484 "Van-Chrome" Heavy Duty Pry Bar

Large Size for Truck, Tractor and Heavy Duty Work

Drop Forged from Chrome Vanadium Steel

A powerful leverage bar for all kinds of prying and pulling work with a range of application that is unequalled. The rolled head with the thin pry hook lifts grease retainers, gears, bearings, bushings, ball races and the like. The pointed tang on the opposite end is very effective for lining up bolt holes.

Satin nickel finish with polished ends. $\frac{3}{4}$ " round stock. Length 18". Weight 1 lb. 8 ozs. 6 to the box.

LIST PRICE, each \$2.90

page 172 (supplementary)

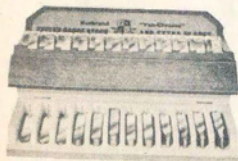
The popularity and wide acceptance of the Multiuse Pry Bar No. 485, which Herbrand introduced several years ago, has created a demand for a heavy duty bar of the same type. The Heavy Duty Pry Bar No. 484 operates with the same efficiency on trucks, tractors and various machinery, as the Multiuse listed on page 69 does on passenger cars.

Simultaneously with the announcement of Herbrand Feeler Gauges, the trade demanded a popular assortment of accurately sized strip stock and extra blades. Herbrand developed this compact and ingenious Wooden Container that occupies very small counter space yet visibly presents all the sizes of blades and strip stock that are in constant demand.

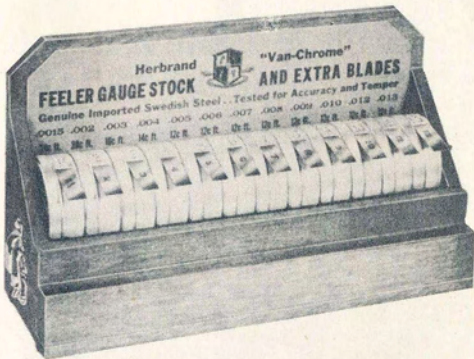
In addition to showing twelve 10 ft. rolls of Genuine Swedish Steel Feeler Strip Stock it also carries a quantity each of 12 different Extra Individual Blades. The hinged top lifts readily exposing the twelve compartments which keep the blade stock all ways in order and in perfect condition for immediate selection of any size required.

This sales-producer will create extra and continuous business, not only for individual blades and strips, but for complete combinations of feeler gauges. Herbrand feeler gauge handles are equipped with a screw and knurled thumb nut, instead of the usual rivet, making insertion of extra blades quick and easy.

The full line of "Van-Chrome" Feeler Gauges is shown on page 76 of our catalog. This Dispenser and a beautiful Display Card, helpful to Jobber, Dealer and Mechanic, are supplied gratis.



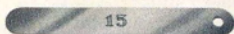
Open view showing Extra Blades



Feeler Gauge Stock Dispenser No. G-2

Extra Blades and Feeler Strip Stock

Hardened and Polished Swedish Steel—Guaranteed Accurate



Nos. G-0015 to G-035



Nos. GS-0015 to GS-013

Feeler Gauge Stock Selection Table

Extra Blades			Strip Stock		
1 1/2" x 3 1/2" with Hole to Insert in Gauge. Sizes Etched on Blades.			10 Ft. Rolls 1/4" wide in Slotted Metal Box. Marked Every Foot and Sizes Etched.		
No.	Size	List Price Each	No.	Size	List Price per 10 Ft. Roll
G-0015	.0015	\$.25	GS-0015	.0015	\$4.00
G-002	.002	.25	GS-002	.002	3.30
G-004	.004	.25	GS-003	.003	2.60
G-006	.006	.25	GS-004	.004	2.30
G-008	.008	.25	GS-005	.005	2.00
G-013	.013	.25	GS-006	.006	2.00
G-015	.015	.25	GS-007	.007	2.00
G-018	.018	.25	GS-008	.008	2.00
G-024	.024	.25	GS-009	.009	2.00
G-025	.025	.25	GS-010	.010	2.00
G-032	.032	.25	GS-012	.012	2.00
G-035	.035	.25	GS-013	.013	2.00

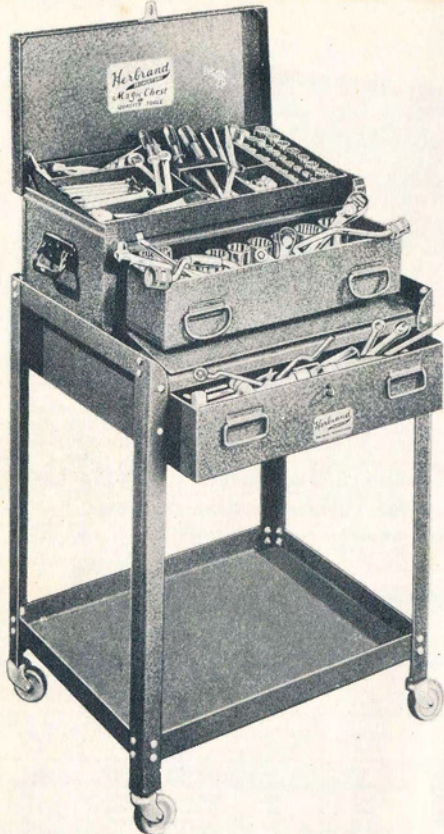
All the above sizes are included in the dispenser or may be purchased individually

Stock Dispenser and Counter Display No. G-2

This assortment contains 330 extra individual blades in sizes as follows: 24 each .0015 to .004 inclusive; 48 each .006 to .013 inclusive; 24 of .015; 18 each of .018 to .035 inclusive. Also twelve 10 ft. rolls of each size strip stock, listed above, in slotted metal containers. The attractive dispenser is stained and varnished.

DISPENSER No. G-2. 8" high, 13" long, 4 1/2" wide. Wt. 6 1/2 lbs.
LIST PRICE, complete assortment, display case gratis \$110.70

page 173 (supplementary)



MC-102 Rollway Workshop

A Complete Assortment of Necessary Tools and Portable Workbench

Glides Smoothly From Job to Job—Saves Time and Steps

A combination of 101 tools, the Magic Chest and the Rollway Workbench. See page 19 for listing of contents.

Size of Chest 23½" long, 11⅞" wide, 9¼" high. Depth of drawer 4½". Size of Rollway 24¾" wide, 19" deep, 31½" high. Drawer 3⅞" deep. Weight complete 106 pounds.

LIST PRICE, No. MC-102, Tools, Chest and Rollway...\$162.95

LIST PRICE, No. MB, Rollway Only..... 26.00

LIST PRICE, No. MC, Magic Chest Only..... 16.50

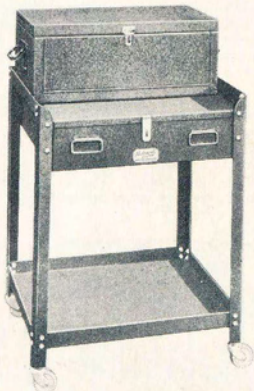
page 174 (supplementary)

Gliding easily on smooth running casters from job to job the Magic Rollway keeps every tool you need within easy reach—no lost tools, wasted time or steps and no more searching for misplaced tools.

Substantially constructed from heavy gauge steel and securely bolted for rigidity, it has a large, capacious drawer with automatic stops and a lower compartment for bulky tools, accessories, coveralls, and other articles. The legs are not angle iron but are formed from extra heavy steel with rounded corners.

The Magic Chest, now improved in design, fits the top of the Rollway which features a handy 6½" working ledge.

The many mechanics who are proud of their Herbrand Magic Chest may buy the Rollway separately at nominal cost. The complete assortment No. MC-102 comprises the Magic Chest, the 101 Tools and the Rollway Bench. Beautifully finished in durable blue wrinkle baked enamel with nickled locking hasps.



Closed view showing handy working ledge. Chest lifts off readily for perfect workbench.

Numerical Index and Price List for Catalog No. 50

Effective May 15, 1937

Tool No.	Page	List Price	Dealers' Net Price	Tool No.	Page	List Price	Dealers' Net Price	Tool No.	Page	List Price	Dealers' Net Price
40A	84	\$125.40	\$ 75.24	179-S	59	\$ 1.70	\$ 1.02	337	65	\$ 1.00	\$.60
40B	84	250.80	150.48	179-N	59	2.10	1.26	338	65	1.00	.60
41 Roll	161	7.00	4.20	182	128	2.00	1.20	339	65	1.20	.72
42 Roll	161	11.00	6.60	183	128	3.30	1.98	340	65	1.30	.78
81	79	.75	.45	184	61	.40	.24	341	66	.60	.36
82	79	.75	.45	185	61	.45	.27	342	66	.60	.36
83	79	.75	.45	186	130	2.10	1.26	343	67	1.00	.60
84	79	.75	.45	188	129	3.30	1.98	344	67	1.25	.75
85	79	.80	.48	*190	120	2.60	1.56	345	48	1.20	.72
86	79	.80	.48	*191	120	2.10	1.26	346	49	1.20	.72
87	79	.90	.54	*192	124	1.10	.66	350	68	4.65	2.79
88	79	.90	.54	193	121	1.70	1.02	351	68	.80	.48
89	79	1.00	.60	194	121	1.90	1.14	352	68	.80	.48
97	79	5.90	3.54	195	132	1.20	.72	353	68	.85	.51
99	79	9.25	5.55	196	132	1.30	.78	354	68	.90	.54
*110-B	164	.50	.30	197	132	1.30	.78	355	68	1.05	.63
*110-S	164	.55	.33	198	122	1.75	1.05	360 Box	67	3.70	2.22
*112-B	164	.60	.36	241	83-126	3.10	1.86	360 Roll	67	4.30	2.58
*112-S	164	.65	.39	242	83-126	3.30	1.98	361	67	.70	.42
*113-B	164	.85	.51	*243	83-126	3.30	1.98	362	67	.75	.45
*113-S	164	.95	.57	251	96-126	2.90	1.74	363	67	1.00	.60
130	119	5.00	3.00	261	132	1.40	.84	364	67	1.25	.75
131	119	.90	.54	262	132	1.40	.84	390	48	1.80	1.08
132	119	.80	.48	270	131	4.10	2.46	400	71	.55	.33
133	119	.40	.24	271	133	1.60	.96	401	71	.55	.33
134	119	.25	.15	272	128	2.30	1.38	402	71	.60	.36
135	119	.20	.12	276	59	.75	.45	403	71	.70	.42
140	21	.95	.57	280 Box	81-127	7.15	4.29	404	71	.90	.54
145	50	.80	.48	280 Bag	81-127	7.35	4.41	405	71	1.35	.81
*146	108	.60	.36	280 Roll	81-127	7.85	4.71	406	71	1.70	1.02
147	50	.60	.36	281	81-127	1.20	.72	410	71	.55	.33
*151-B	60	.35	.21	282	81-127	1.20	.72	411	71	.60	.36
*151-S	60	.40	.24	283	81-127	1.50	.90	412	71	.70	.42
152	55	4.00	2.40	284	81-127	1.50	.90	420	71	.55	.33
158	55	3.30	1.98	285	81-127	1.75	1.05	421	71	.60	.36
160-B	61	.75	.45	*290	124	.65	.39	430	71	.55	.33
160-S	61	.85	.51	301	132	.80	.48	431	71	.60	.36
161	61	2.20	1.32	302	132	.80	.48	440	70	.45	.27
163	171	2.25	1.35	310	62-78	.50	.30	441	70	.45	.27
*165	118	1.40	.84	311	62-78	.55	.33	442	70	.45	.27
166-S	56	1.80	1.08	312	62-78	.80	.48	443	70	.55	.33
166-N	56	2.50	1.50	313	62-78	.95	.57	444	70	.60	.36
166½-S	56	2.00	1.20	314	62-78	1.00	.60	445	70	.65	.39
166½-N	56	2.70	1.62	315	62	1.00	.60	446	70	.70	.42
167-S	57-78	1.35	.81	315A	62	1.20	.72	447	70	.80	.48
167-N	57-78	1.60	.96	316	62	1.35	.81	450	70	.45	.27
167½-S	57-78	1.40	.84	317	62	1.55	.93	451	70	.60	.36
167½-N	57-78	1.65	.99	318	62	1.20	.72	452	70	.80	.48
168-S	57	1.60	.96	319	62	1.65	.99	453	70	1.00	.60
168-N	57	2.10	1.26	320	62	1.80	1.08	460	70	.70	.42
*169-S	60	.90	.54	321	62	2.05	1.23	461	70	.95	.57
*169-N	60	1.10	.66	322	62	2.60	1.56	462	70	1.25	.75
170	116	.70	.42	323	62	2.80	1.68	470	70	.45	.27
171	116	.70	.42	330	65	.50	.30	471	70	.60	.36
172	116	.70	.42	331	65	.60	.36	480	70	1.25	1.17
173	116	1.40	.84	332	65	.65	.39	481	70	1.95	1.62
174	116	1.60	.96	333	65	.50	.30	482	70	2.70	2.10
175	116	2.50	1.50	334	65	.70	.42	485	69	2.30	1.38
177-S	58	2.90	1.74	335	65	.85	.51	486	69	2.65	1.59
177-N	58	3.30	1.98	336	65	.90	.54	487	69	1.10	.66
178	60	2.30	1.38	336T	66-75	.70	.42	490	39		

Tool No.	Page	List Price	Dealers' Net Price	Tool No.	Page	List Price	Dealers' Net Price	Tool No.	Page	List Price	Dealers' Net Price
490	39	\$ 1.10	\$.66	825F	23	\$ 17.50	\$ 10.50	899	41	\$ 3.10	\$ 1.86
491	39	1.30	.78	825H	22	1.60	.96	920	98	4.55	2.73
492	39	1.50	.90	825V	23	8.50	5.10	921	98	6.25	3.75
493	39	1.70	1.02	825-5	22	2.10	1.26	923	99	2.90	1.74
494	39	.40	.24	825-6	23	2.10	1.26	924	99	3.75	2.25
495	49	1.10	.66	825-7	23	1.70	1.02	925	99	4.55	2.73
495A	49	.70	.42	825-8	23	.60	.36	926	99	4.55	2.73
495B	49-130	.60	.36	830	30	9.10	5.46	927	99	5.00	3.00
498	130	1.35	.81	831	30	18.00	10.80	928	99	5.70	3.42
550	34	3.35	2.01	835	25	11.25	6.75	929	99	6.05	3.63
551	34	1.25	.75	839	37	8.25	4.95	930	99	6.20	3.72
552	34	.40	.24	840	37	9.00	5.40	931	99	7.50	4.50
553	34	.40	.24	842	37	9.00	5.40	932	99	7.50	4.50
554	34	.40	.24	844	37	10.00	6.00	933	99	8.15	4.89
555	34	.45	.27	845	37	3.30	1.98	934	99	8.15	4.89
556	34	.45	.27	846	36	12.75	7.65	943	98	2.90	1.74
557	34	.45	.27	846L	36	9.50	5.70	944	98	3.75	2.25
560	34	5.40	3.24	846LC	36	3.30	1.98	945	98	4.55	2.73
561	34	1.50	.90	846LP	36	1.00	.60	946	98	4.55	2.73
562	34	.60	.36	846S	36	9.00	5.40	947	98	5.00	3.00
563	34	.60	.36	846SC	36	3.30	1.98	948	98	5.70	3.42
564	34	.60	.36	846SP	36	1.00	.60	949	98	6.05	3.63
565	34	.70	.42	847	32	4.55	2.73	950	98	6.20	3.72
566	34	.70	.42	850	26	18.20	10.92	951	98	7.75	4.65
567	34	.70	.42	851	26	13.30	7.98	952	98	7.75	4.65
570	34	8.75	5.25	852	26	.65	.39	953	98	8.50	5.10
570 1/2	34	9.45	5.67	853	26	.65	.39	954	98	8.50	5.10
580	35	6.80	4.08	853C	26	.80	.48	963	99	3.30	1.98
580 1/2	35	7.50	4.50	853T	26	.80	.48	964	99	4.15	2.49
581	35	2.00	1.20	854	26	.80	.48	965	99	5.55	3.33
582	35	.75	.45	854H	26	.80	.48	966	99	5.55	3.33
583	35	.75	.45	855	26	.80	.48	967	99	6.00	3.60
584	35	.75	.45	856	26	1.00	.60	968	99	7.25	4.35
585	35	.85	.51	857	26	1.00	.60	969	99	7.55	4.53
586	35	.85	.51	857S	26	1.00	.60	970	99	7.75	4.65
587	35	.85	.51	858	26	1.20	.72	971	99	9.00	5.40
590	35	15.55	9.33	860	27	15.00	9.00	972	99	9.00	5.40
590 1/2	35	16.45	9.87	860 1/2	27	7.50	4.50	973	99	9.65	5.79
650	119	1.70	1.02	861	27	4.15	2.49	974	99	9.65	5.79
651	119	.45	.27	861S	27	1.60	.96	*1010-B	107	.55	.33
652	119	1.90	1.14	862	28	5.60	3.36	*1010-S	107	.60	.36
653	119	.50	.30	863	29	59.00	35.40	*1011-B	107	.55	.33
654	119	2.10	1.26	864	172	5.80	3.48	*1011-S	107	.60	.36
655	119	.60	.36	864C	172	2.10	1.26	*1012-B	107	.55	.33
750	42	6.50	3.90	865	32	4.55	2.73	*1012-S	107	.60	.36
752	43	.40	.24	866	33	18.50	11.10	*1013-B	107	.55	.33
753	43	.40	.24	870	31	15.00	9.00	*1013-S	107	.60	.36
754	43	.45	.27	871	31	24.00	14.40	*1014-B	107	.55	.33
755	43	.45	.27	872	28	5.80	3.48	*1014-S	107	.60	.36
756	43	.50	.30	880	40	11.75	7.05	1021	83	.70	.42
757	43	2.20	1.32	880 1/2	40	12.45	7.47	1022	83	.80	.48
760	42	2.90	1.74	881	40	1.10	.66	1023	83	.80	.48
770 Box	38	7.70	4.62	882	40	1.65	.99	1024	83	.95	.57
770 Roll	38	8.30	4.98	883	40	1.65	.99	1025	83	.95	.57
771	38	1.00	.60	884	40	1.65	.99	1025 Box	82	8.40	5.04
772	38	1.05	.63	885	40	1.90	1.14	1025 Roll	82	9.30	5.58
773	38	1.05	.63	886	40	1.90	1.14	1025A Box	82	11.40	6.84
774	38	1.10	.66	887	40	1.90	1.14	1025A Roll	82	12.50	7.50
775	38	1.10	.66	888	40	1.65	.99	1025B Box	82	15.30	9.18
776	38	1.20	.72	889	40	1.65	.99	1025B Roll	82	16.60	9.96
777	38	1.20	.72	890	40	1.65	.99	1025C Box	82	8.40	5.04
820	43	3.25	1.95	891	40	1.90	1.14	1025C Roll	82	9.30	5.58
825	22	15.00	9.00	897	41	5.50	3.30	1026	83	1.15	.69
825A	141	4.10	2.46	898	41	3.10	1.86	1027	83	1.15	.69

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Tool No.	Page	List Price	Dealers' Net Price	Tool No.	Page	List Price	Dealers' Net Price	Tool No.	Page	List Price	Dealers' Net Price
1027C	83	\$ 1.15	\$.69	*1213-B	107	\$.60	\$.36	1940	154	\$ 1.40	\$.84
1027F	83-149	1.15	.69	*1213-S	107	.65	.39	1945A	153	2.35	1.41
1028	83	1.35	.81	1214	91	.90	.54	1947	152	8.70	5.22
1028S	83	1.35	.81	1216	91	1.00	.60	1947W	152	7.10	4.26
1029	83	1.35	.81	1218	91	1.20	.72	1950	157	1.20	.72
1030	83	1.35	.81	1220	91	1.30	.78	1955	148	.70	.42
1031	83	1.80	1.08	1222	91	1.50	.90	1956	51	.80	.48
1032	83	1.80	1.08	1224	91	1.65	.99	1957	66	1.05	.63
1033	83	1.80	1.08	1225 Box	91	4.40	2.64	1958	156	1.50	.90
1033A	83	1.80	1.08	1225 Bag	91	4.55	2.73	1959	152	1.35	.81
1033C	83	2.45	1.47	1225 Roll	91	4.90	2.94	1960	155	1.50	.90
1034	83	2.45	1.47	1226	91	1.75	1.05	1961	155	1.25	.75
1034A	83	2.45	1.47	1227 Box	91	7.55	4.53	1962	155	1.25	.75
1035	83	2.45	1.47	1227 Bag	91	7.70	4.62	1963	155	1.30	.78
1036	83	3.30	1.98	1227 Roll	91	8.15	4.89	*2130	159	.65	.39
1037	83	3.30	1.98	1228	91	1.85	1.11	*2132	159	.70	.42
*1050X	105	1.50	.90	1229 Box	91	14.15	8.49	*2133	159	.75	.45
*1051X	104	1.60	.96	1229 Bag	91	14.35	8.61	*2134	159	.80	.48
1052X	104	3.30	1.98	1229 Roll	91	14.75	8.85	*2135C	159	.80	.48
*1055X	105	1.75	1.05	1230	91	2.15	1.29	*2135E	159	.65	.39
*1110-B	107	.50	.30	1231 Box	91	18.95	11.37	2146	160	1.40	.84
*1110-S	107	.55	.33	1231 Bag	91	19.15	11.49	2150	160	1.40	.84
*1111-B	107	.50	.30	1231 Roll	91	19.55	11.73	2331	146	2.20	1.32
*1111-S	107	.55	.33	1232	91	2.40	1.44	2331-60	147	1.80	1.08
*1112-B	107	.50	.30	1234	91	2.40	1.44	*2332-B	133	.70	.42
*1112-S	107	.55	.33	1721	83	.70	.42	*2332-S	133	.80	.48
*1113-B	107	.50	.30	1722	83	.70	.42	2333	133	1.30	.78
*1113-S	107	.55	.33	1723	83	.70	.42	2333V	133	2.20	1.32
*1114-B	107	.50	.30	1723A	83	.80	.48	*2334-B	148	.45	.27
*1114-S	107	.55	.33	1725	83	.95	.57	*2334-S	148	.50	.30
*1120	112	.75	.45	1725A	83	.95	.57	*2334A-B	148	.50	.30
*1121	112	.75	.45	1725B	83	.95	.57	*2334A-S	148	.55	.33
*1123	110	1.20	.72	1726	83	1.15	.69	2335	142	1.80	1.08
*1124	110	1.25	.75	1727	83	1.15	.69	2336	146	3.50	2.10
*1125	111	1.00	.60	1728	83	1.35	.81	*2337	150	.70	.42
*1126	113	1.10	.66	1729	83	1.35	.81	*2338A	150	.75	.45
*1126T	113	1.40	.84	1731	83	1.80	1.08	*2339V	150	.75	.45
*1127	113	1.15	.69	1731A	83	1.80	1.08	*2339-40	150	.45	.27
*1127T	113	1.45	.87	1731B	83	1.80	1.08	*2339-48	150	.50	.30
*1128	111	2.10	1.26	1733	83	2.45	1.47	*2339V-40	150	1.20	.72
*1130	118	2.50	1.50	1734	83	2.45	1.47	*2339V-48	150	1.25	.75
1131	108	.30	.18	1735	83	3.30	1.98	2340	151	2.20	1.32
1132	117	.50	.30	1736	83	3.30	1.98	2342	141	1.40	.84
*1133	118	1.40	.84	1737	83	3.30	1.98	2343	151	1.40	.84
1135	112	1.30	.78	1821	80	.90	.54	2343-60	147	1.60	.96
1136	117	2.80	1.68	1823	80	.90	.54	2344	143	1.90	1.14
1137	117	3.50	2.10	1825	80	1.10	.66	2344V	143	1.90	1.14
1138	117	1.50	.90	1827	80	1.10	.66	2345	122	2.90	1.74
1140	114	2.50	1.50	1829	80	1.30	.78	2346	144	.95	.57
1141	109	1.65	.99	1831	80	1.30	.78	2347	123	2.20	1.32
1145	108	2.00	1.20	1836 Box	80	6.60	3.96	2348	140	1.80	1.08
*1150A	106	1.95	1.17	1836 Bag	80	6.80	4.08	2349	140	1.80	1.08
*1150B	106	1.95	1.17	1836 Roll	80	7.30	4.38	2349T	140	2.00	1.20
*1150C	106	1.50	.90	*1930R	158	.65	.39	2350	148	1.30	.78
*1150D	106	2.30	1.38	*1931	158	.70	.42	2351	138	2.35	1.41
*1150E	106	1.50	.90	*1931R	158	.60	.36	2352	138	2.10	1.26
*1150T	106	5.40	3.24	*1933	158	.75	.45	2353	138	.90	.54
1151	115	2.40	1.44	*1934	158	.75	.45	2354	138	1.70	1.02
*1152F	145	3.05	1.83	*1935	158	.75	.45	2355	145	4.10	2.46
*1152G	159	3.05	1.83	1936	154	1.30	.78	2356V	144	.80	.48
*1152H	145-159	1.10	.66	*1936C	158	.75	.45	2357	134	1.00	.60
*1152-I	159	3.40	2.04	1937	156	2.20	1.32	2358	141	1.60	.96
*1152T	106	7.70	4.62	1938	156	2.20	1.32	2359	149	5.80	3.48
1212	91	.85	.51	1939	156	2.20	1.32	2360	142		

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Tool No.	Page	List Price	Dealers' Net Price	Tool No.	Page	List Price	Dealers' Net Price	Tool No.	Page	List Price	Dealers' Net Price
2362	171	\$ 1.65	\$.99	4725B	94	\$.80	\$.48	BR-13 Box	125	\$ 22.95	\$ 13.77
2363	143	2.50	1.50	4727A	94	.90	.54	BR-13 Roll	125	24.65	14.79
2364	137	8.25	4.95	4920 Box	90	3.10	1.86	BR-15 Box	125	28.55	17.13
2365	139	2.10	1.26	4920 Bag	90	3.25	1.95	BR-15 Roll	125	30.25	18.15
2366	140	7.15	4.29	4920 Roll	90	3.50	2.10	C-3	71	2.40	1.44
2367	136	7.60	4.56	4923	90	.95	.57	C-4 Box	39	5.60	3.36
2368	149	1.80	1.08	4925	90	1.05	.63	C-4 Roll	39	6.20	3.72
2370	135	19.00	11.40	4927	90	1.10	.66	C-5	71	5.55	3.33
2370A	135	2.40	1.44	5720 Box	97	5.15	3.09	C-6	71	3.10	1.86
2370D	135	2.70	1.62	5720 Bag	97	5.35	3.21	C-10	70	2.65	1.59
2370P	135	3.00	1.80	5720 Roll	97	5.85	3.51	C-15	70	10.30	6.18
2370S	135	4.80	2.88	5721 Box	97	7.45	4.47	C-66	56	.85	.51
2374	123	2.20	1.32	5721 Bag	97	7.65	4.59	C-79	59	.85	.51
2376	134	8.30	4.98	5721 Roll	97	8.55	5.13	CB-34	72	27.85	16.71
2381	131	1.80	1.08	5723	96	.80	.48	CB-93	72	65.85	39.51
2382	146	1.80	1.08	5725B	96	.90	.54	D-7 Box	64	6.15	3.69
2383-60	147	1.50	.90	5727	96	1.00	.60	D-7 Roll	64	6.75	4.05
2410	85	8.00	4.80	5729	96	1.15	.69	D-12	64	.65	.39
2411	85	4.65	2.79	5731A	96	1.30	.78	D-13	64	.75	.45
2412	85	4.00	2.40	5920 Box	89	5.65	3.39	D-14	64	.85	.51
2413	87	2.65	1.59	5920 Bag	89	5.85	3.51	D-15	64	.75	.45
2414	87	4.65	2.79	5920 Roll	89	6.35	3.81	D-16	64	1.00	.60
2415	87	4.65	2.79	5923	89	.90	.54	D-17	64	1.05	.63
2416	86	2.25	1.35	5925	89	1.00	.60	D-18	64	1.10	.66
2417	86	2.45	1.47	5927	89	1.10	.66	DS-6	21	10.55	6.33
2418	86	2.65	1.59	5929	89	1.25	.75	DS-6½	21	11.25	6.75
3700 Box	95	4.95	2.97	5931	89	1.40	.84	DS-7	21	9.60	5.76
3700 Bag	95	5.15	3.09	6723	96	.70	.42	DS-7½	21	10.30	6.18
3700 Roll	95	5.65	3.39	6725B	96	.75	.45	DS-8½	21	11.50	6.90
3701 Box	95	2.40	1.44	6727A	96	.85	.51	DS-9½	21	15.00	9.00
3701 Bag	95	2.55	1.53	6820 Box	93	13.70	8.22	DS-16	20	1.20	.72
3701 Roll	95	2.80	1.68	6820 Bag	93	13.90	8.34	DS-18	20	1.20	.72
3702 Box	95	8.95	5.37	6820 Roll	93	14.40	8.64	DS-20	20	1.25	.75
3702 Bag	95	9.15	5.49	6823	93	2.30	1.38	DS-22	20	1.25	.75
3702 Roll	95	10.05	6.03	6825	93-124	2.50	1.50	DS-24	20	1.25	.75
3703 Box	97	2.30	1.38	6827	93	2.70	1.62	DS-26	20	1.35	.81
3703 Bag	97	2.45	1.47	6827V	93-149	2.70	1.62	DS-28	20	1.50	.90
3703 Roll	97	2.70	1.62	6829	93	3.00	1.80	DS-28B	20	1.50	.90
3704 Box	95	6.55	3.93	6831	93	3.20	1.92	DS-30	20	1.60	.96
3704 Bag	95	6.75	4.05	6920 Box	90	2.95	1.77	DS-32	20	1.70	1.02
3704 Roll	95	7.45	4.47	6920 Bag	90	3.10	1.86	DS-34	20	1.70	1.02
3723	94	.75	.45	6920 Roll	90	3.35	2.01	DS-36	20	1.95	1.17
3725B	94	.85	.51	6923	90	.90	.54	DS-40	20	2.50	1.50
3727	94	.95	.57	6925	90	1.00	.60	G-0015	173	.25	.15
3727A	94	.95	.57	6927	90	1.05	.63	G-002	173	.25	.15
3729A	94	1.10	.66	7720 Box	92	6.70	4.02	G-004	173	.25	.15
3731B	94	1.30	.78	7720 Bag	92	6.90	4.14	G-006	173	.25	.15
3733C	94	1.60	.96	7720 Roll	92	7.40	4.44	G-008	173	.25	.15
3901 Box	88	7.80	4.68	7723	92	1.10	.66	G-013	173	.25	.15
3901 Bag	88	8.00	4.80	7725B	92	1.20	.72	G-015	173	.25	.15
3901 Roll	88	8.70	5.22	7727	92	1.30	.78	G-018	173	.25	.15
3902 Box	88	6.60	3.96	7729	92	1.45	.87	G-024	173	.25	.15
3902 Bag	88	6.80	4.08	7731A	92-157	1.65	.99	G-025	173	.25	.15
3902 Roll	88	7.50	4.50					G-032	173	.25	.15
3923	88	1.00	.60					G-035	173	.25	.15
3925	88	1.10	.66					G-2	173	110.70	66.42
3927	88	1.20	.72					G-7	77	1.65	.99
3929	88-149	1.25	.75	A-390	12	.90	.54	G-8	77	1.65	.99
3931	88	1.40	.84	A-391	12	.90	.54	G-9	77	2.50	1.50
3933	88	1.85	1.11	A-392	12	.90	.54	G-10	77	1.25	.75
3935	88	3.00	1.80	A-393	12	1.25	.75	G-11	77	1.65	.99
3937	88	3.70	2.22	A-394	12	1.25	.75	G-12	77	1.65	.99
3939	88	4.60	2.76	A-395	12	1.35	.81	G-20	77	2.50	1.50
4723	94	.70	.42	B-3	58	5.35	3.21	G-25	77	3.30	1.98

Items with Prefix

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Tool No.	Page	List Price	Dealers' Net Price	Tool No.	Page	List Price	Dealers' Net Price	Tool No.	Page	List Price	Dealers' Net Price
GS-0015	173.	\$ 4.00	\$ 2.40	J-43	130.	\$.85	\$.51	S-16	13.	\$ 3.00	\$ 1.80
GS-002	173.	3.30	1.98	J-112	8.	.50	.30	S-17	13.	2.15	1.29
GS-003	173.	2.60	1.56	J-114	8.	.50	.30	S-18	13.	4.00	2.40
GS-004	173.	2.30	1.38	J-116	8.	.50	.30	S-19	13.	2.40	1.44
GS-005	173.	2.00	1.20	J-118	8.	.50	.30	S-21	12.	1.70	1.02
GS-006	173.	2.00	1.20	J-120	8.	.50	.30	S-22	12.	2.05	1.23
GS-007	173.	2.00	1.20	J-122	8.	.60	.36	S-25	13.	.85	.51
GS-008	173.	2.00	1.20	J-124	8.	.60	.36	S-26	21.	1.00	.60
GS-009	173.	2.00	1.20	J-212	8.	.50	.30	S-27	13.	1.00	.60
GS-010	173.	2.00	1.20	J-214	8.	.50	.30	S-28	13.	1.15	.69
GS-012	173.	2.00	1.20	J-216	8.	.50	.30	S-29	13.	1.70	1.02
GS-013	173.	2.00	1.20	J-312	8.	2.40	1.44	S-31	13.	1.85	1.11
H-1	74.	.85	.51	J-314	8.	2.40	1.44	S-32	13.	2.30	1.38
H-2	74.	.90	.54	J-316	8.	2.40	1.44	S-33	12.	.30	.18
H-3	74.	.90	.54	J-318	8.	2.40	1.44	S-35	12.	2.30	1.38
H-4	74.	1.15	.69	J-320	8.	2.40	1.44	S-36	12.	.20	.12
H-10	16.	13.00	7.80	J-322	8.	2.40	1.44	S-37	12.	1.00	.60
H-13	16.	6.90	4.14	J-324	8.	2.40	1.44	S-39	12.	1.00	.60
H-21	16.	3.80	2.28	J-414	8.	.80	.48	S-41	12.	.80	.48
H-25	16.	2.00	1.20	J-416	8.	.80	.48	S-112	11.	.60	.36
H-29	16.	2.55	1.53	J-418	8.	.85	.51	S-114	11.	.60	.36
H-31	16.	3.15	1.89	J-420	8.	.85	.51	S-116	11.	.60	.36
H-33	16.	.60	.36	J-422	8.	.95	.57	S-117	11.	.75	.45
H-70 Box	74.	3.60	2.16	J-424	8.	1.00	.60	S-118	11.	.75	.45
H-70 Roll	74.	4.00	2.40	J-514	8.	.80	.48	S-118V	11-151	.85	.51
H-75 Box	74.	5.30	3.18	J-616	8.	.50	.30	S-119	11.	.75	.45
H-75 Roll	74.	5.80	3.48	JA-60	10.	6.55	3.93	S-120	11.	.80	.48
H-80 Box	74.	7.60	4.56	JA-60½	10.	7.25	4.35	S-121	11-151	.80	.48
H-80 Roll	74.	8.30	4.98	JA-61	10.	17.45	10.47	S-122	11.	.80	.48
H-128	16.	1.10	.66	JA-61½	10.	18.45	11.07	S-123	11.	.85	.51
H-130	16.	1.15	.69	JA-62	10.	34.40	20.64	S-124	11-151	.85	.51
H-131	16.	1.15	.69	JA-62½	10.	35.60	21.36	S-125	11.	.85	.51
H-132	16.	1.15	.69	KO-10	24.	13.40	8.04	S-126	11.	.85	.51
H-134	16.	1.35	.81	KC-20	24.	.90	.54	S-128	11.	1.00	.60
H-136	16.	1.40	.84	KO-24	24.	1.00	.60	S-129	11.	1.00	.60
H-140	16.	1.65	.99	KO-24T	24.	1.00	.60	S-130	11.	1.00	.60
H-142	16.	1.65	.99	KO-26	24.	1.10	.66	S-131	11.	1.00	.60
H-144	16.	1.95	1.17	KO-28	24.	1.10	.66	S-132	11.	1.15	.69
H-146	16.	2.20	1.32	KO-28H	24.	1.10	.66	S-134	11.	1.25	.75
H-148	16.	2.30	1.38	KO-32	24.	1.20	.72	S-136	11.	1.35	.81
H-152	16.	2.50	1.50	KO-36	24.	1.50	.90	S-140	11.	1.50	.90
H-156	16.	3.45	2.07	KO-40	24.	1.90	1.14	S-212	11.	.60	.36
H-158	16.	3.90	2.34	KO-40T	24.	1.90	1.14	S-214	11.	.60	.36
H-160	16.	3.90	2.34	LT-6 Box	75.	9.80	5.88	S-216	11.	.75	.45
H-164	16.	4.60	2.76	LT-6 Roll	75.	10.50	6.30	S-218	11.	.75	.45
H-170	16.	5.40	3.24	LT-9	75.	1.60	.96	S-220	11.	.80	.48
HA-80	17.	27.40	16.44	LT-10 Box	75.	16.40	9.84	S-224	11.	.80	.48
HA-80½	17.	29.90	17.94	LT-10 Roll	75.	17.20	10.32	S-228	11.	.95	.57
HA-81	17.	35.40	21.24	LT-11	75.	1.60	.96	S-316	11.	2.45	1.47
HA-82	17.	64.80	38.88	LT-12	75.	1.60	.96	S-318	11.	2.45	1.47
HA-82½	17.	68.30	40.98	LT-13	75.	1.60	.96	S-320	11.	2.45	1.47
J-10	9.	4.25	2.55	LT-14	75.	1.70	1.02	S-322	11.	2.45	1.47
J-13	9.	2.60	1.56	LT-15	75.	1.70	1.02	S-324	11.	2.45	1.47
J-17	9.	1.85	1.11	M-3 Satin	56.	4.95	2.97	S-616	11.	.60	.36
J-21	9.	1.35	.81	M-3 Pol.	56.	6.40	3.84	S-618	11.	.75	.45
J-23	9.	.60	.36	M-4	57.	4.95	2.97	S-620	11.	.80	.48
J-27	9.	.85	.51	MB-Bench	174.	26.00	15.60	S-622	11.	.80	.48
J-29	9.	1.15	.69	MC-56	19.	77.25	46.35	S-624	11.	.85	.51
J-33	9.	.25	.15	MC-101	19.	136.95	82.17	SA-70	14.	13.65	8.19
J-35	9.	2.20	1.32	MC-102	174.	162.95	97.77	SA-71	14.	11.50	6.90
J-36	9.	.15	.09	MC-Chest	19-174.	16.50	9.90	SA-71½	14.	12.20	7.32
J-37	8.	.75	.45	S-10	12.	5.25	3.15	SA-72	14.	21.45	12.87
J-39	8.	.75	.45	S-13	12.	3.15	1.89	SA-72½	14.	23.95	14.37
J-41	8-157.	1.55	.93	S-15	12.	3.70	2.22	SA-73	15.	17.65	10.59

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Tool No.	Page	List Price	Dealers' Net Price	Tool No.	Page	List Price	Dealers' Net Price	Tool No.	Page	List Price	Dealers' Net Price
SA-73½	15	\$ 18.90	\$ 11.34	2D	47	\$.35	\$.21	1926G	47	\$ 1.15	\$.69
SA-74	15	42.75	25.65	3D	47	.50	.30	2021G	47	.30	.18
SA-74½	15	45.25	27.15	4D	47	.70	.42	2026G	47	1.15	.69
SD-5	63-78	4.30	2.58	5D	47	.80	.48	2122G	47	.40	.24
SD-6	63	5.80	3.48	6D	47	1.35	.81	2126G	47	1.15	.69
SD-7	63	8.90	5.34	7D	47	1.90	1.14	2222G	47	.40	.24
SD-11	65	27.60	16.56	38D	47	2.00	1.20	2226G	47	1.15	.69
SD-12	63	6.00	3.60	48D	47	2.10	1.26	2522G	47	.40	.24
SD-14	62	63.00	37.80	58D	47	2.25	1.35	2526G	47	1.15	.69
SS-8	103	21.75	13.05	68D	47	2.60	1.56	2622G	47	.40	.24
SS-15	100	24.35	14.61	78D	47	2.90	1.74	2626G	47	1.15	.69
SS-16	102	39.35	23.61	000E	46	.80	.48				
SS-18	101	30.70	18.42	00E	46	.70	.42				
T-1	73	1.00	.60	0E	46	.60	.36				
T-2	73	1.10	.66	1E	46	.65	.39				
T-3	73	1.20	.72	2E	46	.70	.42				
T-4	73	1.35	.81	3E	46	.75	.45				
T-5	73	1.45	.87	4E	46	.85	.51				
T-70 Box	73	4.90	2.94	5E	46	1.00	.60				
T-70 Roll	73	5.40	3.24	6E	46	1.15	.69				
T-75 Box	73	7.80	4.68	7E	46	1.55	.93				
T-75 Roll	73	8.50	5.10	38E	46	1.50	.90				
VL-500	52	10.80	6.48	48E	46	1.75	1.05				
VL-501	52	7.50	4.50	58E	46	2.00	1.20				
VL-502	139	3.30	1.98	68E	46	2.30	1.38				
VL-503	53	14.10	8.46	78E	46	3.15	1.89				
VL-504	54	10.80	6.48	921G	47	.30	.18				
VL-505	54	12.50	7.50	1021G	47	.30	.18				
VL-506	139	2.50	1.50	1121G	47	.30	.18				
VL-510	52	1.65	.99	1221G	47	.30	.18				
VL-511	52	1.65	.99	1321G	47	.30	.18				
VL-512	52	2.00	1.20	1326G	47	1.15	.69				
VL-513	52	2.00	1.20	1421G	47	.30	.18				
VL-514	52	2.50	1.50	1426G	47	1.15	.69				
VL-520	52	2.00	1.20	1521G	47	.30	.18				
VL-521S	52	.80	.48	1526G	47	1.15	.69				
VL-521L	52	.80	.48	1621G	47	.30	.18				
VL-522	52	.80	.48	1626G	47	1.15	.69				
VL-530	51	1.65	.99	1721G	47	.30	.18				
				1726G	47	1.15	.69				
				1821G	47	.30	.18				
				1826G	47	1.15	.69				
				1921G	47	.30	.18				

Screw Extractors, Drills and Guides

000D	47	.24	.15
00D	47	.26	.16
0D	47	.28	.17
1D	47	.30	.18

Screw Extractor Sets

X-1	45	1.60	.96
X-2	45	2.05	1.23
X-3	45	2.30	1.38
X-4	45	2.55	1.53
X-5	45	3.55	2.13
X-6	45	3.80	2.28
X-7	45	4.80	2.88
X-38	45	5.60	3.36
X-48	45	7.85	4.71
X-58	45	10.30	6.18
X-68	45	8.90	5.34
X-78	45	10.05	6.03
XX-3	45	2.55	1.53
XX-5	45	3.80	2.28
XX-10	45	10.85	6.51
XX-25	45	41.00	24.60

Pipe Wrenches

6"	164	1.50	.90
8"	164	1.70	1.02
10"	164	2.20	1.32
14"	164	3.00	1.80
18"	164	4.30	2.58
24"	164	7.45	4.47
36"	164	15.70	9.42
48"	164	23.50	14.10
60"	164	35.25	21.15



HERBRAND GUARANTEE

The name Herbrand or "Van-Chrome" on any tool constitutes your unqualified guarantee against defects in both workmanship and materials. This is positive assurance that they will do the job for which they are built, without spreading or breaking. Free replacements will be made on any tools that may prove defective. This guarantee is void if inspection shows that the tools have been abused, ground, heated, subjected to hammering or unreasonable leverage.